JENSEN®

Outfitter of Tools and Test Equipment for Mobile Professionals

2002: Master Sourcebook 2A



Shown on pg. 42

JTK-2100W Network Manager's Kit
One of over 190 off-the-shelf tool kit solutions in this catalog!



See Our Comprehensive **Telecom Products**
Pages 193-219



Essential **Power Tools** and Bit Sets.
Pages 265-271



Tektronix
TDS3000B
Digital Phosphor Oscilloscope
The new and improved TDS3000B.
New Features, New Options.
See page 99



psiber
Pinger Network IP Tester
Quickly tests proper LAN operation.
See page 118

Field Accessories
Keep You Efficient
Pages 306-311



FAST Same Day Shipping

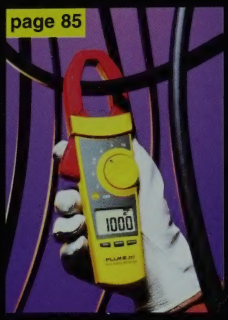
1-800-426-1194 **www.jensentools.com**

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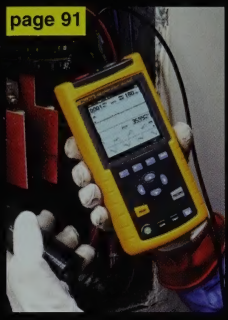
ScopeMeter® Test Tools

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Clamp Meters

page 91



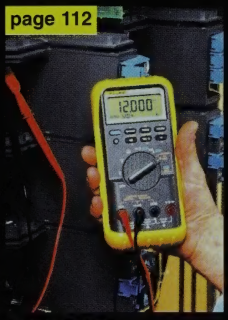
Power Quality Analyzer

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Digital Multimeters

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ProcessMeter®

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MegOhmMeter

page 89



Electrical Testers

page 86-88



Accessories

page 106



Thermometers

They're rugged. They're reliable. And they're all inside.

FLUKE®

The fastest way to put a Fluke test tool in your hand.

Whether it's crunch time or not, Jensen Tools has the expertise and Fluke tools you need to get the job done, fast.

Don't be unprepared and don't use a tool you can't trust. Fluke tools are designed to take the abuse and still deliver the reliable results you require, no matter how tough the job.

You'll find a complete line of rugged, reliable Fluke test tools inside this catalog. And you'll find that, at Jensen, they are as easy to buy as they are to use.

Are you ready to stake your reputation on your test tools? Demand the best in your test equipment. With Fluke, you're better equipped to troubleshoot whatever challenges come your way.

Call Jensen Tools today and see how easy and fast it is to get a Fluke test tool in your hands.

Fluke. *Keeping your world up and running.*

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Channel Master

Dual Satellite Signal Level Meter

NEW



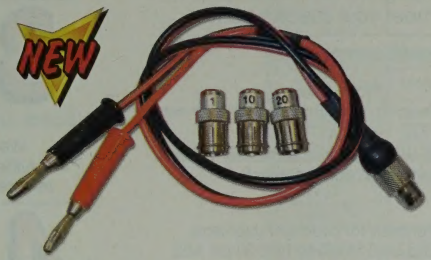
- Includes switchable 13/18V battery pack & charger

Designed to aid in the alignment of a satellite dish. It includes satellite IF (950-2150MHz) amplification and a broadband detector which drives a meter and a variable frequency audio tone. The dish is then aligned for maximum meter deflection or highest pitch tone. A gain control allows for a wide range of input signal levels. It includes two meters in one housing allowing easy alignment of dual satellite, single dish installations. When peaking, the dish signal level can be viewed for both LNB's simultaneously, making alignment quick and easy. Connection to the satellite receiver for power is optional, but will extend the battery life between charges. Measurement of voltage on the coaxial cable, and LNB current can also be made with the unit. Includes an internal, switchable 13/18V rechargeable nicad battery pack, wall plug recharging unit, carry strap and case.

Cat. No.	Description	Each
418-841	Dual Satellite Signal Level Meter	$349.00

HOLLAND Electronics LLC

NEW



MDU Cable Identification System

- Use with any Volt-Ohm Meter
- Identifies up to 20 locations or cables

This system allows the MDU installer to identify up to 20 locations or cables by installing coded push-on terminators in an apartment or routing box location and then identifying, electronically, the correct cable at the other end. The adapter plugs into your VOM set to ohms (50k ohm setting or greater) and reads the correct terminator code as the first 2 digits on your meter. Comes with test lead adapter and 20 coded cable terminators.

Cat. No.	Description	Each
418-827	MDU Cable Identification System	$25.00

NEW



DREMEL®

9.6V Cordless Rotary Tool Kit

Power and speed in a lightweight cordless tool for unlimited versatility. High-capacity detachable 9.6V battery offers long run time. Variable speed 5000-25,000RPM. Comfort-grip housing. 3-hour charger. Works with all Dremel attachments and accessories. Includes cordless tool, one battery pack, charger, 10 accessories and rugged storage case.

Cat. No.	Description	Each
418-809	9.6V Cordless Rotary Tool Kit	$115.00

Tool Kits 6
Cases & Carts 56
Test Equipment 78
LAN 113
Wire & Cable & Fiber Optics 142
Telecom 193
Hand Tools 220
Power Tools 265
Soldering 272
Storage & Handling 280
Workstations 287
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NEW New Products

New Products on pages 3, 315, Back Cover and throughout the entire catalog!

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Fax:
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7815 S. 46th Street,
Phoenix, AZ 85044

International Sales:
Jensen ships worldwide. Our multi-lingual representatives will gladly assist you with all necessary documentation.

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Regional Sales Managers and account reps are on-hand to handle long-term contracts, blanket purchase orders and other special requirements.

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Designed and developed to meet your specific needs.

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Orders for in-stock products received by 5:00 pm MST will be shipped same day via best surface method for established accounts or authorized credit card payments.

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Take advantage of Jensen's priority shipping rates. Requests for overnight shipments received by 3:00 pm MST, and UPS Blue shipments (2nd day) received by 5:00 pm MST, will gladly be accommodated.

STANLEY

Jensen® is a subsidiary of The Stanley Works, a S&P 500 company with a solid 157 year history (NYSE:SWK). Stanley® is one of the world's most trusted names and is consistently the first choice among professionals. Jensen® is a proud member of The Stanley Works and the organizations listed below. Trust us to deliver quality, value and service exactly as promised.

Sponsor NSGA

BICSI CORPORATE MEMBER

member CEDIA CUSTOM ELECTRONIC DESIGN & INSTALLATION ASSOCIATION

Here's a guide to the symbols in your new Jensen Catalog

Your assurance of originality. We don't copy tool kits... *we create them!*

Exciting new products, many requested by you, the Jensen customer...some not available anywhere else!

Jensen calibrates and ships meters where this symbol appears within 24 hours.

GSA FSS Contractor

An easy way to identify items that are available on GSA and/or NSN contracts.

115VAC 230VAC

Items available in both 115VAC and 230VAC models, for U.S. and international use.

Products designed to be safe for use around static sensitive equipment.

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1 30 Day Unconditional Guarantee

You may return any product in this catalog purchased from Jensen Tools within 30 days for a full refund, credit or replacement. (Some exceptions apply. See Terms & Conditions on Order Form for details.)

2 JENSEN® Lifetime Guarantee

If any Jensen brand hand tool does not measure up to your quality requirements or give you complete satisfaction, simply return it to Jensen and we will replace it FREE OF CHARGE (see Order Form for details).

This is in addition to the unconditional 100% Satisfaction Guarantee on all products purchased from Jensen (see page 3).

3 Exclusive Jensen Quality Commitment

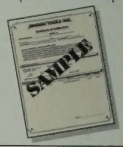
We will deliver defect-free products and services that conform to our customers' requirements by doing it right the first time.

4 In-House Calibration Certification

Call 800-426-1194
Monday-Friday 6:00 am - 5:30 pm MST

Look for the 24 symbol next to the part number on selected test equipment. These products ship within 24 hours.





5 Technical Support and Product Information

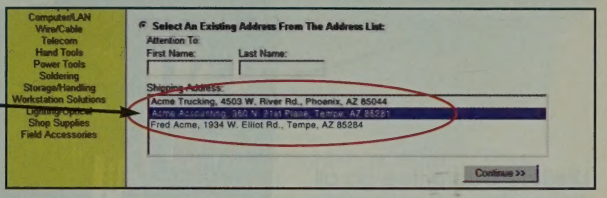
Call 888-866-5487
Monday-Friday 7:00 am - 4:30 pm MST
E-Mail: jensentech@stanleyworks.com

Our specially-trained Technical Support staff will be happy to answer your questions, offer applications assistance, or recommend solutions and products to meet your specific needs . . . before and after your purchase.

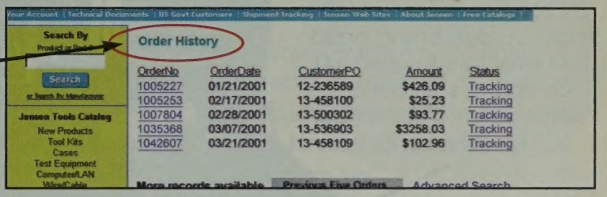
Featuring Jensen original JTK tool kits and over 15,000 products from other leading manufacturers.



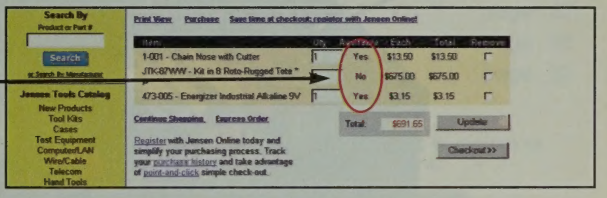
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JENSEN® has the best

JTK Quality and Originality

For well over 30 years, Jensen has led the industry in providing tool kits for the professional field service technician. The key ingredient to our success has been – and always will be – our commitment to quality and originality. Our JTK trademark signifies an original Jensen design and is the symbol that sets us apart from the rest.

Jensen kits contain **reliable name-brand tools** like Stanley, Klien, XceLite, Thomas & Betts and Jensen.

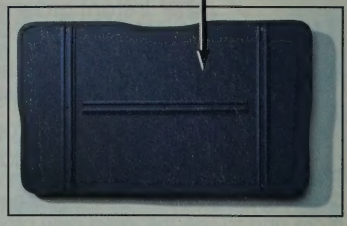
Tool Pallets are made from **the finest materials** to ensure long life. Tool pockets are made of Neoluxe and are reinforced with steel rivets at high stress points.



Lifetime Guarantee on all Jensen brand hand tools. If any Jensen brand hand tool ever fails to give you complete satisfaction, simply return it for a free replacement.

Jensen provides a **large selection of high quality tool cases** to protect your tool investment. See pages 54 & 55.

Pallets with large quantities of heavy tools are reinforced with steel braces to virtually eliminate sagging.

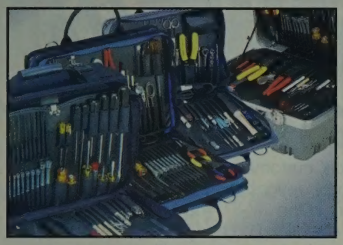


30 Day Unconditional Guarantee. You may return any tool kit purchased from Jensen Tools within 30 days for a full refund, credit or replacement (more information on Order Form).

Jensen tool kits are designed with input from our customers.

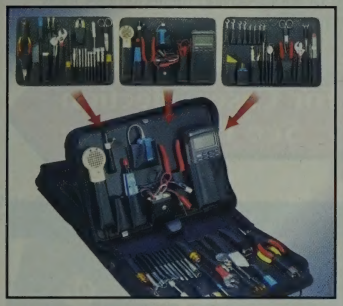
Tool Kits...Guaranteed!

Choose Your Kit!



Over 190 In-Stock Tool Kits

Jensen has over 190 in-stock, off-the-shelf tool kits to choose from. Substitutions are OK! Simply identify one of our in-stock tool kits that best suits your needs and add or delete items. Our customer service representatives are fully trained and available to assist you. Call 800-426-1194.



Create-A-Kit

Customize a tool kit specifically designed around your needs. Choose from six case styles and 17 pallet configurations. See pages 50 and 51.



Custom Kits

Let us help you with your custom kit program. Every day, our Kit Team actively works with customers to design and build tool kits for unique requirements. For pallet layout design, custom foam cutouts, tool case fabrication, and building kits with your unique specifications of tools, labeling, logo's, etc. Please call us at 800-426-1194 with your requirements. Most Inquiries will receive a written quote within 24 hours!

Jensen Guarantees and Warranties on Kits and Cases

30 Day Unconditional Guarantee

You may return any tool kit purchased from Jensen Tools within 30 days for a full refund, credit or replacement (see Terms and Conditions on Order Form for details).

Lifetime Guarantee on Jensen Brand Hand Tools

If any Jensen brand hand tool ever fails to give you complete satisfaction, simply return it to us for a free replacement.

3 Year Warranty

Jensen Polyethylene Cases

Polyethylene case shells are warranted against defects in materials and workmanship for three years from purchase date. (Tool pallets not included under warranty).

Latches and handles are warranted against defects in materials and workmanship for one year from purchase date.

1 Year Warranty

Jensen Cordura® Plus and Aluminum Cases

Cordura® Plus and aluminum case shells are warranted against defects in materials and workmanship for one year from purchase date. (Tool pallets not included under warranty).

Latches and handles are warranted against defects in materials and workmanship for one year from purchase date.

Your Jensen Tool Kit Mini-Guide

Jensen offers a wide range of kits. Use this guide to quickly find the kit that best meets your needs.



JTK-87WW
Field Engineer's Kit
p. 11

General Electronic	page 8
Electro-Mechanical	page 31
Industrial Mechanical	page 35
Bio-Medical Kits	page 36
Telecom Kits	page 37
Network & PC Kits	page 42
Create-A-Kit	page 50
Vantage Kits	page 52

JTK-49
PC Workstation Kit
p. 49



Tool Kits

Over 100 Popular Field Engineer Tools . . .



Additional specialty tools (included)

JTK®-87 Tools

- Over 100 of our most requested tools
- Lifetime Guarantee on all JTK-87 hand tools

Over the years, customers like you have requested certain tools, pallet designs and cases. We've put these requests together in the JTK-87. You'll find all of the basic tools here - the essentials you need everyday on the job. A great selection of space-saving multi-purpose tools . . . plus specialty items.

For Case Selection See Facing Page

All JTK-87 Tools are backed by Jensen's Lifetime Guarantee (See page 4)

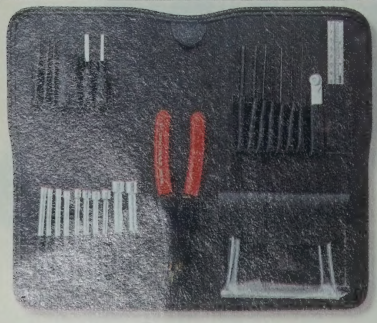
102 tools in all:

- *Alignment tools (2)*
- *Burnisher (pkg./3)*
- *DIP/IC extractor*
- *Feeler gauge*
- *File kit, (3 pc.)*
- *Hammer, ball peen, 4 oz.*
- *Handle, driver blades, (2): 4 1/8", "T"*
- *Handle, File*
- *Hemostat, straight, 5"*
- *Hexdriver blades (9): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"*
- *Hex key set, (10 pc.)*
- *Hex key fold up (7): 2-8mm*
- *Knife precision*
- *Knife blades*
- *Mirror, inspection*
- *Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"*
- *Outlet tester*
- *Parts box*
- *Penlight*
- *Pliers (7): diag. cutter 4 1/4"; diag. cutter 5 1/4"; groove joint 7"; groove joint 10"; long nose 4 3/4"; long nose with cutter 6 3/4"; retaining ring, external*
- *Pliers, locking, 5"*
- *Punch, center, 3/32"*
- *Punch, pin (2): 1/16, 1/8"*
- *Rule, stainless, 6"*
- *Scissors, electrician's*
- *Screwdrivers (12): Phillips offset ratchet, #0 x 3" pocket clip, #1 x 3", #2 stubby, #2 x 4"; slotted offset ratchet, 1/8 x 3" pocket clip, 1/8 x 8", 3/16 x 3", 1/4" stubby, 1/4 x 4", 5/16 x 6"*
- *Screwdriver set, jeweler's, (7 pc.)*
- *Screwstarters (2): Phillips magnetic; slotted magnetic*
- *Scriber*
- *Solder aid, fork and reamer*
- *Solder aid, knife and brush*
- *Solder removal tool*
- Soldering iron*
- *Spring tool combination*
- *Tape measure, 12'*
- *Trimpot tool*
- *Tweezer, reverse action*
- *Wire crimper/stripper*
- *Wire stripper/cutter*
- *Wrench, adjustable, 6"*
- Tool case with pallets

*1 year warranty

JTK-87 Tools Only

Cat. No.	Description	Each 1-2	3-9
23-087R	JTK-87 Tools only	$375	$345



Metric Add-On Kits

- 25 metric tools
- Converts JTK-87 series inch kits to inch/metric
- JTK-87 metric kits on page 13

Cat. No.	Description	Size	Each
9023-030	Metric Tools w/Small Pallet for Standard Cases	17 3/4 x 12 3/4"	$122
9023-027	Metric Tools w/Large Pallet for Large Cases	17 3/4 x 14 1/2"	123
CK-87MM-C	Metric Tools in Black Cordura® Tri-Fold Case	10 x 6 x 1 1/2"	115
CK-87MM	Metric Tools w/o Pallet	–	99

Note: Use Tri-Fold case when your case will not accept a third pallet.

All Metric Conversion Kit tools are backed by Jensen's Lifetime Guarantee (See page 4)

25 tools in all:

- *Feeler gauge, .051mm-1.02mm*
- *Hex blades (7): 1.27mm-5mm*
- *Mini-nutdrivers (2): 3mm, 3.5mm*
- *Nutdriver blades (10): 4mm-11mm*
- *Pin punches (3): 1mm-3mm*
- *Rule, 15cm*
- *Wire crimper/stripper*

JTK®-87 Cases

- Choose from cases pictured on this page. For complete case descriptions, see pages 54 and 55.
- Kit choices are listed below. Selected kits are pictured on pages 10-13.

3 Year Warranty on all Jensen Polyethylene cases (see page 7)













JTK®-87 Kit Guide

†NSN: Call 800-426-1194 for current number

	Cat. No.	Case Style (Ref. Pg. 54-55)	Page No.	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
	JTK-87M	Monaco™, Regular	–	1	17 3/4 x 12 3/4 x 5"	19	Individual	$545	$501	377-326	$170
	JTK-87DM	Monaco™, Deep	–	1	17 3/4 x 12 3/4 x 7"	21	Side	555	511	377-328	180
	JTK-87A	Aluminum, Regular	–	2	18 x 13 x 6"	22	Individual	730	672	2-587	355
	JTK-87DAS	Aluminum, Deep	–	2	18 x 13 x 7 1/4"	21	Side	790	727	2-787	415
	JTK-87LXP	Deluxe Poly, Regular	–	3	17 3/4 x 12 3/4 x 5"	21	Individual	520	478	377-620	150
	JTK-87LDXP	Deluxe Poly, Deep	–	3	17 3/4 x 12 3/4 x 8"	21	Side	540	497	377-750	165
	JTK-87XPM	Deluxe Poly, Regular (metric)	13	3	17 3/4 x 12 3/4 x 5"	21	Individual	550	506	377-620	150
	JTK-87L3DXP	Deluxe Poly, Deep (inch/metric)	13	3	17 3/4 x 12 3/4 x 8"	25	Side	640	589	377-680	180
†	JTK-87P	Lightweight Poly, Regular	–	4	17 3/4 x 12 3/4 x 4 3/4"	18	Individual	505	465	54-374	135
	JTK-87DP	Lightweight Poly, Deep	–	4	17 3/4 x 12 3/4 x 6 1/2"	21	Side	515	474	54-087	145
	JTK-87WP	Waterproof Case	12	5	17 3/4 x 12 3/4 x 6 1/2"	21	Individual	615	566	432-521	245
	JTK-87RT	Rota-Tough™, Regular	–	6	17 3/4 x 14 1/2 x 6"	20	Individual	545	501	377-859	170
	JTK-87DRT	Rota-Tough™, Deep	–	6	17 3/4 x 14 1/2 x 8"	24	Side	555	511	377-858	180
	JTK-87FLK6	Rota-Tough™, Deep, Foam	12	6	17 3/4 x 14 1/2 x 8"	30	Side	3200	3104	377-653	235
	JTK-87FLK5	Rota-Tough™, Deep, Foam	12	6	17 3/4 x 14 1/2 x 8"	30	Side	1960	1901	377-653	235
	JTK-87TEK4	Rota-Tough™, Deep, Foam	12	6	17 3/4 x 14 1/2 x 8"	35	Side	3949	3831	377-653	235
	JTK-87RTF	Rota-Tough™, Deep, Foam	12	6	17 3/4 x 14 1/2 x 8"	24	Side	610	561	377-653	235
	JTK-87XRRT	X-tra Rota-Tough™, Deep	–	7	17 3/4 x 14 1/2 x 10"	24	Side	575	529	377-227	200
†	JTK-87S	Super Tough, Regular	–	8	17 3/4 x 14 1/2 x 6 1/4"	21	Individual	525	483	377-885	150
	JTK-87DS	Super Tough, Deep	–	8	17 3/4 x 14 1/2 x 9 1/4"	22	Side	535	492	377-886	160
	JTK-87DST3	Super Tough, Deep (inch/metric)	13	8	17 3/4 x 14 1/2 x 9 1/4"	26	Side	650	598	377-888	185
	JTK-87R	Rugged Duty, Olive	–	9	17 3/4 x 14 1/2 x 9"	24	Side	560	515	356-870	185
	JTK-87RB	Rugged Duty, Black	–	9	17 3/4 x 14 1/2 x 9"	24	Side	560	515	356-871	185
	JTK-87RIM	Rugged Duty, Olive (inch/metric)	13	9	17 1/4 x 14 1/2 x 9"	27	Side	665	612	356-087	200
†	JTK-87WW	Roto-Rugged "Tote"	11	10	17 3/4 x 14 1/2 x 8"	26	Side	685	630	377-870	310
	JTK-87WT	Roto-Rugged "Tote"	-	10	17 3/4 x 14 1/2 x 10"	26	Side	690	635	377-247	315
	JTK-87WR	Roto-Rugged "Tote"	-	10	17 3/4 x 14 1/2 x 12"	26	Side	695	639	377-248	320
	JTK-87HR	Super-Roto	-	11	17 3/4 x 14 1/2 x 10"	26	Side	685	630	54-006	310
	JTK-87HRT	Super-Roto	-	11	17 3/4 x 14 1/2 x 12"	26	Side	690	635	54-007	315
	JTK-87TT	Horizontal Tough "Tote"	11	12	17 3/4 x 14 1/2 x 10"	22	Side	605	557	356-409	230
	JTK-87TTD	Horizontal Tough "Tote", Deep	11	12	17 3/4 x 14 1/2 x 12"	24	Side	615	566	356-414	235
†	JTK-87BC	Double Cordura, Black	10	14	17 3/4 x 12 1/2 x 6"	16	Fixed	515	474	216-087	139
	JTK-87QC	Triple Cordura, Black	10	15	17 3/4 x 12 3/4 x 11"	19	Quick Change	570	524	216-870	195

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

JTK®-87BC

Field Engineer's Zipper Kit

Over 100 quality tools (see page 8 for complete listing)

Three outside storage pockets - one measures 16 x 11½ x 2" and two measure 8 x 11½ x 2". Complete with D-rings for use with optional shoulder strap.

For Prices & Specs - See bottom of page!



Shown with Optional Meter



Optional Meters begin on page 78

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



Lifetime Guarantee *on all JTK-87 hand tools (see listing on page 8)*

JTK®-87QC

3-Sided Tool Kit

Pallets are removable and interchangeable with standard size 17¾" and 12¾" cases. Call 1-800-426-1194 for assistance.

This durable Cordura case provides plenty of room for your tools, computer, test equipment and necessary business materials. Features combination locks and padded web handle. Center compartment (17¾ x 12½ x 5½") carries laptop computer on optional pallet. Padded end pockets measure 10 x 6 x 4". External zipper pocket measures 10 x 17¾". D-rings attached for optional shoulder strap.

Meter sold separately





Business materials not included

†NSN: Call 800-426-1194 for current number

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-87BC	Field Engineer's Zipper Kit	Double Black Cordura	14	17 x 12½ x 6"	16	Fixed	$515	$474	216-087	$139
JTK-87QC	3-Sided Tool Kit	Triple Black Cordura	15	17¾ x 12¾ x 11"	19	Quick Change	570	524	216-870	195
216-113	Optional Computer Pallet*	–	–	–	–	–	19	17	–	–
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

* for JTK-87QC only

JTK®-87WW

Roto-Rugged "Tote" Tool Kit with Built-In Luggage Cart

- Our most rugged wheeled tool case
- Handle collapses for easy transport and storage
- See pages 54-55 for full case description
- Available in 8, 10 and 12" depths

For Prices & Specs - See bottom of page!



3 Year Warranty on all Jensen Polyethylene cases (see page 7)


JTK-87WW

†NSN: Call 800-426-1194 for current number

Lifetime Guarantee *on all JTK-87 hand tools (see listing on page 8)*

JTK®-87TT

Horizontal Tough "Tote" Tool Kit

- Over 100 quality tools (see page 8)
- Horizontal design keeps tools in place
- Available in 10" and 12" depths
- See pages 54-55 for full case description



3 Year Warranty on all Jensen Polyethylene cases (see page 7)


JTK-87TT



Master Lock.

Secure Your Tool Kit

Cat.No.	Description	Each
40-175	Combo Lock, 1" Shackle	$18.95

	Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-87WW	"Tote" Tool Kit	Roto-Rugged "Tote"	10	17 3/4 x 14 1/2 x 8"	26	Side	$685	$630	377-870	$310
	JTK-87TT	"Tote" Tool Kit	Horizontal Tough "Tote"	12	17 3/4 x 14 1/2 x 10"	24	Side	605	557	356-409	230
	JTK-87TTD	"Tote" Tool Kit	Horizontal Tough "Tote", deep	12	17 3/4 x 14 1/2 x 12"	26	Side	615	566	356-414	235

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Fax Lines: 800-366-9662 • 602-438-1690

For Prices & Specs - See bottom of page!

The Ultimate Troubleshooting Centers

JTK®-87

Tool and Test Combination Kits

- Toughest carrying case available
- Specially designed pallet holds meter
- Foam-filled compartment protects scope

Available with or without test equipment or tools, our selection of JTK-87 kits with the latest in diagnostic technology supply the field engineer with maximum capabilities. Internal foam filled/lined compartment measures 14 1/2 x 11 1/2 x 4".





JTK-87FLK6 includes Fluke 196 and 189 as shown

3 Year Warranty on all Jensen Polyethylene cases (see page 7)

For complete details on these scopes see pages 82, 96 & 98

JTK-87TEK4 includes Tek Scope THS720A and Fluke 187

Lifetime Guarantee *on all JTK-87 hand tools (see listing on page 8)*

JTK®-87WP

Waterproof Tool Kit

- Over 100 quality tools (see page 8)
- Waterproof – it floats
- Airtight with purge valve

This rugged airtight, waterproof case provides the ultimate protection for your tools and equipment. Provides extra protection when working on or around the water. Tough cycolac resin construction won't dent, crack or corrode.

Case may also be ordered with any other Jensen kit which offers a case with same dimensions and a maximum of two tool pallets. Call 800-426-1194 for assistance.



3 Year Warranty on all Jensen Polyethylene cases (see page 7)

Combination Lock by Pelican®

Cat. No.	Description	Each
432-001	Lock	$9.95

Cat. No.	Description	Case Style (Ref. Pg.54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-87FLK6	Kit with Fluke 196 & 189	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	30	Side	$3200	$3104	377-653	$235
JTK-87FLK5	Kit with Fluke 123 and 26 DMM	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	30	Side	1960	1901	377-653	235
JTK-87TEK4	Kit with Tek THS720A & Fluke 187	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	35	Side	3949	3831	377-653	235
JTK-87RTF	Kit w/o Test Equipment	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	24	Side	610	561	377-653	235
JTK-87WP	Waterproof Tool Kit	Waterproof	5	17 3/4 x 12 3/4 x 6 1/2"	21	Individual	615	566	432-521	245

JTK®-87
Inch/Metric Tool Kit

- For techs who work on foreign and domestic equipment
- Three pallet case styles
- Over 125 top quality tools, including JTK-87 tools and metric tools listed on page 8

For Prices & Specs - See bottom of page!



JTK-87RIM JTK-87DST3 JTK-87L3DXP



JTK-87RIM

3 Year Warranty on all Jensen Polyethylene cases (see page 7)

Lifetime Guarantee *on all JTK-87 hand tools (see listing on page 8)*

JTK®-87
Metric Tool Kit

- Inch measure tools have been replaced with their metric equivalent
- Popular with international technicians
- Available with Soldering Iron

All of the inch measure fastening tools from the standard JTK-87 have been replaced with their metric equivalents.

In addition to the Deluxe Poly Case shown, this case is also available in an 8" depth. Call 800-426-1194 for information.

3 Year Warranty on all Jensen Polyethylene cases (see page 7)



JTK-87XPM

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-87RIM	Inch/Metric Kit	Rugged Duty Poly	9	17 3/4 x 14 1/2 x 9"	27	Side	$665	$612	356-087	$200
JTK-87DST3	Inch/Metric Kit	Super Tough	8	17 3/4 x 14 1/2 x 9 1/2"	26	Side	650	598	377-888	185
JTK-87L3DXP	Inch/Metric Kit	Deluxe Poly	3	17 3/4 x 12 3/4 x 8"	25	Side	640	589	377-680	180
JTK-87XPM	Metric Kit w/115V Iron	Deluxe Poly	3	17 3/4 x 12 3/4 x 5"	21	Individual	550	506	377-620	150
24-087	Metric Tools only w/115V Iron	–	–	–	11	–	390	359	–	–

Over 100 Select Field Service Tools . . .



Additional specialty tools (included)

JTK®-17 Tools

- Over 100 of the most requested tools for general electronic tasks
- Lifetime Guarantee on all JTK-17 hand tools

Over the years, the JTK-17 has been imitated, even duplicated, but never equaled. This multi-purpose kit was Jensen's first entry into the tool kit market. It was a huge success then and still is today. Widely used in industry and government.

For Case Selection See Facing Page

All JTK-17 Tools are backed by Jensen's Lifetime Guarantee (see page 4)

106 tools in all:

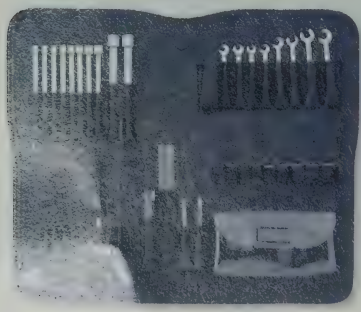
- *Alignment tools (2)*
- *Feeler gauge*
- *Hammer, ball peen, 4 oz.*
- *Handle, driver blades (2): 3 1/8, 4 1/8"*
- *Hex key set (10), .028-5/32"*
- *Hex key set (7): Fold up 1.5–6mm*
- *Hexdriver blades (9): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"*
- *Icepick scribe*
- *Knife, electrician's*
- *Mirror, inspection*
- *Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"*
- *Penlight w/batteries*
- *Pliers (6): diagonal cutter, 4 1/4"; diagonal cutter, 5 1/4"; groove joint, 10"; long nose, 4 3/4"; long nose with cutter, 6 3/4"; retaining ring, external/internal*
- *Punch, center, 3/32"*
- *Punch, Pin (2): 1/16, 1/8"*
- *Rule, stainless, 6"*
- *Screwdriver, offset ratchet, Phillips/slotted*
- *Screwdriver, Phillips #0 x 3", pocket clip*
- *Screwdriver, Phillips (3): #1 x 3"; #2 x 1 1/4"; #2 x 4"*
- *Screwdriver, slotted 3/32 x 3", pocket clip*
- *Screwdriver, slotted (6): 1/8 x 4"; 1/8 x 8"; 3/16 x 3"; 1/4 x 1 1/4"; 1/4 x 4"; 5/16 x 6"*
- *Screwdriver set, jeweler's, (7 pc.)*
- *Screwstarter, Phillips/slotted*
- *Socket set, 1/4" drive, (14 pc.)*
- *Solder aid, fork and hook*
- Soldering iron, 115V*
- *Spring tool, pull*
- *Spring tool, push*
- *Tweezer, reverse action*
- *Wire crimper/stripper*
- *Wire stripper/cutter*
- *Wrench, adjustable (2): 4"; 8"*
- *Wrench set, ignition, (8 pc.)*
- Tool case with pallets

*1 year warranty

JTK®-17 Tools Only

†NSN: Call 800-426-1194 for current number

Cat. No.	Description	Each 1-2	3-9
† 23-017R	JTK-17 Tools only	$320	$294



Metric Add-On Kits

- 40 metric tools
- Converts JTK-17 series inch kits to inch/metric
- JTK-17 metric kits on page 18

†NSN: Call 800-426-1194 for current number

Cat. No.	Description	Size	Each
9023-004	Metric Tools w/Standard Pallet	17 3/4 x 12 3/4"	$119
9023-018	Metric Tools w/Large Pallet	17 3/4 x 14 1/2"	121
CK-17MM-C	Metric Tools in Black Cordura® Trifold Case	10 x 6 x 1 1/2"	105
† CK-17MM	Metric Tools w/o Pallet	–	95

Note: Use Trifold case (CK-17MM-C) when your case will not accept a third pallet.

All Metric Conversion Kit tools are backed by Jensen's Lifetime Guarantee (See page 4)

40 tools in all:

- *Feeler gauge blades: .051-1.02mm*
- *Hex blades (7): 1.27-5mm*
- *Ignition wrenches (8): 4-9mm*
- *Mini-nutdrivers (2): 3, 3.5mm*
- *Nutdriver blades (10): 4-11mm*
- *Pin punches (2): 1, 3mm*
- *Rule, 15cm*
- *Socket set, 1/4" drive (9): 4-12mm*

JTK®-17 Cases

- Choose from cases pictured on this page. For complete case descriptions, see pages 54 and 55.
- Kit choices are listed below. Selected kits are pictured on pages 16-18.

3 Year Warranty on all Jensen Polyethylene cases (see page 7)





†NSN: Call 800-426-1194 for current number

JTK®-17 Kit Guide

Cat. No.	Case Style (Ref. Pg. 54-55)	Page No.	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-17RL	Monaco	–	1	17 3/4 x 12 3/4 x 5"	20	Individual	$495	$455	377-851	$175
JTK-17DRL	Monaco	–	1	17 3/4 x 12 3/4 x 7"	21	Bottom	505	465	377-849	185
† JTK-17A	Aluminum	–	2	18 x 13 x 6"	21	Individual	675	621	2-517	360
JTK-17DA	Aluminum	–	2	18 x 13 x 7 1/4"	20	Individual	725	667	2-717	405
JTK-17LXP	Deluxe Poly, Black	–	3	17 3/4 x 12 3/4 x 5"	20	Individual	470	432	377-460	150
JTK-17LHXP	Deluxe Poly, Gray	–	3	17 3/4 x 12 3/4 x 8"	20	Bottom	480	442	377-520	160
JTK-17DXP3	Deluxe Poly, Gray (inch/metric)	18	3	17 3/4 x 12 3/4 x 8"	24	Bottom	605	557	377-173	190
† JTK-17P	Lightweight Poly	–	4	17 3/4 x 12 3/4 x 4 3/4"	18	Individual	460	423	54-174	140
JTK-17DP	Lightweight Poly	–	4	17 3/4 x 12 3/4 x 6 1/2"	18	Bottom	465	428	54-173	145
JTK-17DP3	Lightweight Poly (inch/metric)	18	4	17 3/4 x 12 3/4 x 6 3/4"	22	Bottom	585	538	54-175	175
JTK-17WP	Waterproof	–	5	17 3/4 x 12 3/4 x 6 1/2"	20	Individual	575	529	432-522	255
JTK-17RT	Rota-Tough™	–	6	17 3/4 x 14 1/2 x 6"	20	Individual	490	450	377-852	170
JTK-17DRT	Rota-Tough™	–	6	17 3/4 x 14 1/2 x 8"	19	Bottom	500	460	377-853	180
JTK-17XRRT	X-tra Rota-Tough™	–	7	17 3/4 x 14 1/2 x 10"	22	Individual	530	488	377-265	210
JTK-17RRT3	X-tra Rota-Tough™ (inch/metric)	18	7	17 3/4 x 14 1/2 x 10"	24	Side	645	593	377-120	230
JTK-17LST	Super Tough, Gray	–	8	17 3/4 x 14 1/2 x 6 1/4"	20	Individual	470	432	377-500	150
JTK-17LSTB	Super Tough, Black	–	8	17 3/4 x 14 1/2 x 6 1/4"	20	Individual	470	432	54-084	150
† JTK-17LHST	Super Tough, Gray	–	8	17 3/4 x 14 1/2 x 9 1/4"	22	Bottom	480	442	377-540	160
JTK-17STM	Super Tough, Metric, Gray	18	8	17 3/4 x 14 1/2 x 6 1/4"	21	Individual	505	465	377-500	150
JTK-17R	Rugged Duty Poly, Olive	–	9	17 3/4 x 14 1/2 x 9"	22	Individual	510	469	356-170	190
† JTK-17RB	Rugged Duty Poly, Black	–	9	17 3/4 x 14 1/2 x 9"	22	Individual	510	469	356-171	190
JTK-17WT	Roto-Rugged "Tote"	-	10	17 3/4 x 14 1/2 x 8"	26	Side	630	580	377-243	310
JTK-17WW	Roto-Rugged "Tote"	17	10	17 3/4 x 14 1/2 x 10"	26	Side	635	584	377-229	315
JTK-17WR	Roto-Rugged "Tote"	-	10	17 3/4 x 14 1/2 x 12"	26	Side	640	589	377-246	320
JTK-17HR	Super-Roto	–	11	17 3/4 x 14 1/2 x 10"	26	Side	630	580	54-020	310
JTK-17HRT	Super-Roto	–	11	17 3/4 x 14 1/2 x 12"	26	Side	635	584	54-021	315
JTK-17TT	Horizontal Tough "Tote"	17	12	17 3/4 x 14 1/2 x 10"	22	Side	555	511	356-411	235
JTK-17TTD	Horizontal Tough "Tote"	17	12	17 3/4 x 14 1/2 x 12"	24	Side	565	520	356-413	245
† JTK-17BC	Double Sided Cordura, Blue	16	14	17 3/4 x 12 1/2 x 6"	15	Fixed	460	423	216-017	139
JTK-17QC	Triple Sided Cordura, Black	16	15	17 3/4 x 12 3/4 x 11"	18	Quick Change	515	474	216-170	195

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For Prices & Specs - See bottom of page!

JTK®-17BC
Field Service Zipper Kit

➥ **Rugged Cordura® Plus Case**

This rugged Cordura case provides easy transport and access of your tools and documents. Case includes three outside storage pockets: one measures 16 x 11½ x 2" and two measure 8 x 11½ x 2". D-rings attached for optional shoulder strap.







Shown with Optional Meter



Optional Meters begin on page 78

Lifetime Guarantee *on all JTK-17 Hand Tools (see listing on page 14)*

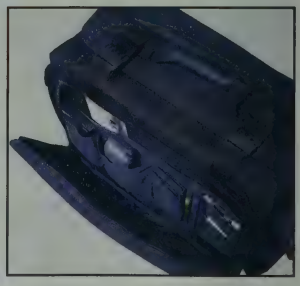
JTK-17QC
3-Sided Tool Kit

➥ **Pallets are removable and interchangeable with standard size 17¾" and 12¾" cases. Call 1-800-426-1194 for assistance.**

This durable Cordura case has plenty of room for your tools, computer, test equipment and necessary business materials. Features combination locks and padded web handle. Center compartment (17¾ x 12½ x 5½") carries laptop computer on optional pallet. Padded end pockets measure 10 x 6 x 4". External zipper pocket measures 10 x 17¾". D-rings attached for optional shoulder strap.



Shown with Optional Meter (Meters begin on page 78)



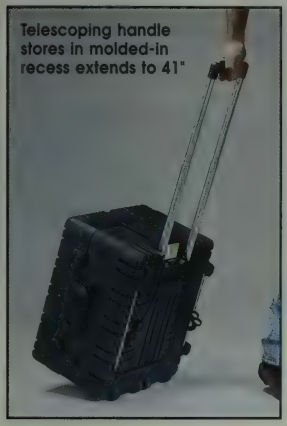
Business materials not included

*NSN: Call 800-426-1194 for current number

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
† JTK-17BC	Field Service Zipper Kit	Double Blue Cordura	14	17 x 12½ x 6"	15	Fixed	$460	$423	216-017	$139
JTK-17QC	3-Sided Tool Kit	Triple Black Cordura	15	17¾ x 12¾ x 11"	18	Quick Change	515	474	216-170	195
	Optional Computer Pallet*	–	–	–	–	–	19	17	–	–
	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

JTK®-17WW
Roto-Rugged "Tote" Tool Kit

- Our most rugged wheeled tool case
- Available in 8, 10 and 12" depths
- See pages 54 & 55 for full case descriptions







For Prices & Specs - See bottom of page!

3 Year Warranty on all Jensen Polyethylene cases (see page 7)

Lifetime Guarantee on all JTK-17 hand tools (see listing on page 14)

JTK®-17TT
Horizontal Tough "Tote" Tool Kit

- Horizontal design keeps tools in place
- Available in 10" & 12" depths
- See pages 54 & 55 for full case description



3 Year Warranty on all Jensen Polyethylene cases (see page 7)



Master Lock.

Secure Your Container



Cat.No.	Description	Each
40-175	Combo Lock, 1" Shackle	$18.95

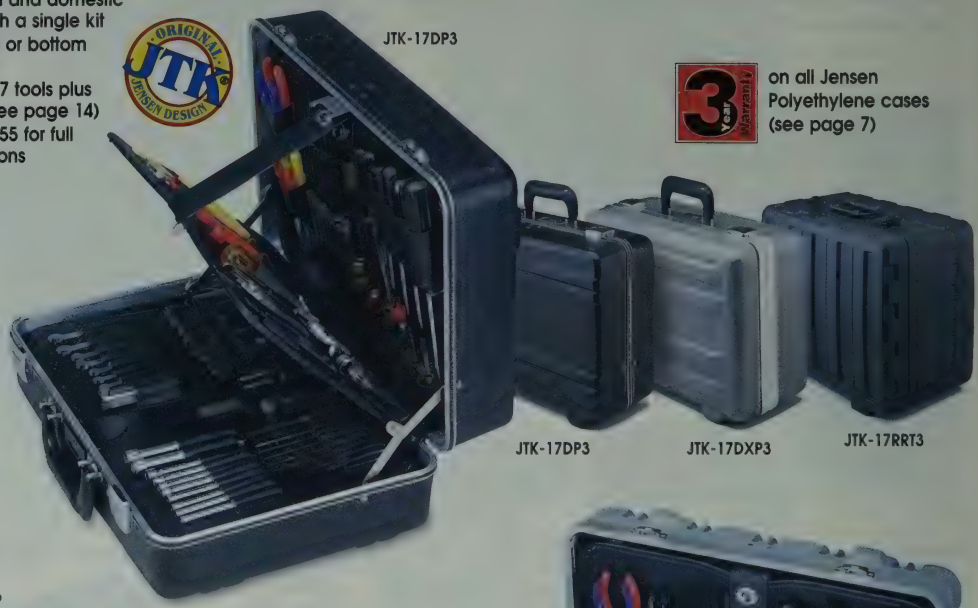
Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-17WW	Field Service Kit	Roto-Rugged "Tote"	10	17 3/4 x 14 1/2 x 10"	27	Side	$635	$584	377-229	$315
JTK-17TT	Field Service Kit	Horizontal Tough "Tote"	12	17 3/4 x 14 1/2 x 10"	22	Side	555	511	356-411	235
JTK-17TTD	Field Service Kit	Horizontal Tough "Tote", deep	12	17 3/4 x 14 1/2 x 12"	24	Side	565	520	356-413	245

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For Prices & Specs - See bottom of page!

JTK®-17
Inch/Metric Tool Kits

- Service foreign and domestic equipment with a single kit
- Choice of side or bottom hinged pallets
- Contains JTK-17 tools plus metric tools (see page 14)
- See pages 54-55 for full case descriptions



3 Year Warranty on all Jensen Polyethylene cases (see page 7)



Secure your tools with this optional motion sensor alarm. See p. 76

Lifetime Guarantee *on all JTK-17 hand tools (see listing on page 14)*

JTK®-17
Metric Tool Kit

- Jensen's extremely popular JTK-17 tool kit with metric equivalents
- Shown in Super Tough Case, also available in all JTK-17 styles (see page 15)

3 Year Warranty on all Jensen Polyethylene cases (see page 7)



JTK-17STM



Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-17DP3	Inch/Metric Tool Kit	Lightweight Poly, Deep	4	17 3/4 x 12 3/4 x 6 3/4"	22	Bottom	$585	$538	54-175	$175
JTK-17DXP3	Inch/Metric Tool Kit	Deluxe Poly, Deep	3	17 3/4 x 12 3/4 x 8"	24	Bottom	605	557	377-173	190
JTK-17RRT3	Inch/Metric Tool Kit	X-tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	24	Side	645	593	377-120	230
JTK-17STM	Metric Tool Kit	Super Tough	8	17 3/4 x 14 1/2 x 6 1/4"	21	Individual	505	465	377-500	150
JA-517	JTK-17STM Tools only	–	–	–	11	–	349	321	–	–
[illegible]	Sectional Motion Alarm	–	–	–	.5	–	69	–	–	–

JTK®-77
Deluxe Field Service Kit

- Contains all the tools from our extremely popular JTK-17 tool kit (page 14) plus 24 extra tools on the third pallet (listed below)
- Over 125 tools in all

Cases come with three pallets. Third individual pallet stores in bottom of case.

3 Year Warranty on all Jensen Polyethylene cases (see page 7)



JTK-77DP JTK-77DRT JTK-77DST

For Prices & Specs - See bottom of page!





JTK-77DST

The JTK-77 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

24 additional tools:
Brushes (2): scratch, brass; typewriter, nylon
Caliper, dial, 6"
Extension blade, 7"
Files, flexible (3)
Hacksaw
Handle, driver, blades, T-style
Hemostats (2) $3^1/2$"; 6"
Lamp extractor
Lead former
Outlet tester
Parts boxes, 2
Pliers (2): ignition 5"; locking, 7"
Reamer blade
Soldering iron
Solder removal tool
Spudger
Tape measure, 12'
Trimpot tool
Tri-tap tool
Tool case with pallets



Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-55
Field Service Tool Kit

- Derived from our extremely popular JTK-17 tool kit
- 100 tools in your choice of case styles
- Full range of fixed-handle tools



JTK-55LHST

The JTK-55 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

100 tools in all:
Alignment tools, 2
Burnishers, 3
Feeler gauge
Hammer, ball peen, 4 oz.
Hexdrivers (9): 050, $^1/_{16}$ - $^3/_{16}$"
Hex key set, metric, 2-8mm, 7 pc.
Icepick/scribe
Knife, electrician's
Mirror, inspection
Nutdrivers (9): $^3/_{16}$ - $^1/_2$"
Oiler
Penlight w/batteries
Pliers (6): diag. cutter, $4^1/4$"; diag. cutter, $5^1/4$"; groove joint, 10"; long nose, $4^3/4$"; long nose with cutter, $6^3/4$"; retaining ring, internal/external
Punches (3): center, $^3/_{32}$"; pin, $^1/_{16}$"; pin, $^1/_8$"
Rule, Stainless, 6"
Scissors, thin line
Screwdrivers (12): offset, ratchet, slot/Phillips; Phillips #0 x 3", pocket clip; Phillips #1 x 3"; Phillips #2, stubby; Phillips #2 x 4"; slotted, $^3/_{32}$ x 3", pocket clip; slotted $^1/_8$ x 4"; slotted $^1/_8$ x 8"; slotted, $^3/_{16}$ x 3"; $^1/_4$" stubby; slotted $^1/_4$ x 4"; slotted $^5/_{16}$ x 6"
Screwdriver set, jeweler's, 7pc.
Screwstarter, Phillips/slotted
Socket set, $^1/_4$" drive, 14 pc.
Solder aid, fork and hook
Solder brush
Soldering iron
Spring tools (2); pull; push
Tweezers, reverse action
Wire crimper/stripper
Wire stripper/cutter
Wrenches, adjustable (2): 4", 8"
Wrench set, ignition, 8 pc.
Tool case with pallets

3 Year Warranty on all Jensen Polyethylene cases (see page 7)



JTK-55BXP JTK-55LHST JTK-55LHSB

†NSN: Call 800-426-1194 for current number

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-77DP	Deluxe Field Service Kit	Lightweight Poly	4	$17^3/4$ x $12^3/4$ x $6^1/2$"	23	Bottom	$630	$580	54-773	$160
JTK-77DRT	Deluxe Field Service Kit	Rota-Tough™	6	$17^3/4$ x $14^1/2$ x $9^1/4$"	24	Bottom	675	621	377-307	205
† JTK-77DST	Deluxe Field Service Kit	Super Tough	8	$17^3/4$ x $14^1/2$ x 8"	27	Bottom	655	603	377-306	180
JTK-55BXP	Field Service Tool Kit	Deluxe Poly	3	$17^3/4$ x $12^3/4$ x 5"	20	Individual	485	446	356-055	145
JTK-55LHST	Field Service Tool Kit	Super Tough, Gray	8	$17^3/4$ x $14^1/2$ x $9^1/4$"	21	Side	510	469	377-525	160
JTK-55LHSB	Field Service Tool Kit	Super Tough, Black	8	$17^3/4$ x $14^1/2$ x $9^1/4$"	21	Side	510	469	54-085	160

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JTK®-99

Electronic Technician's Service Kit

- A favorite of audio/video technicians
- Over 90 quality tools
- Choose from three case styles



JTK-99R JTK-99DS JTK-99XRRT



Optional Meters begin on page 78



JTK-99R

3 Year Warranty on all Jensen Polyethylene cases (see page 7)

The JTK-99 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

93 tools in all:
Alignment tools, (3)
Bottles, plastic, (3)
Brush, cleaning
Burnisher, pocket
Caliper, pocket
Extension, driver blades, 4"
File, flat
File, rat tail
File, three square
Gauge, feeler
Hacksaw, mini
Hammer, ball peen, 4 oz.
Handle, 3 1/8"
Handle, 4 1/8"
Handle, file
Hemostat, straight, 5"
Hexdriver blades (9): .050; 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"
Ice pick/scribe
Knife, electrician's
Lead former
Mirror, inspection
Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
Oiler
Penlight w/batteries
Pliers (6): diag.cutter 4 1/4"; diag. cutter 5 1/4"; groove joint, 8"; long nose, 4 3/4"; long nose w/cutter, 6 3/4; retaining ring, external/internal
Pliers, locking, 5"
Punch, center, 3/32"
Punch, pin, 1/16"
Punch, pin, 1/8"
Reamer blade
Rule, stainless, 6"
Scissors"
Screwdriver, 4-in-1
Screwdriver, offset, #6-10 screws
Screwdriver, offset, Phillips #1, #2
Screwdriver blades (7): Phillips #0, #1, #2; slotted, 1/8, 3/16, 1/4, 5/16"
Screwdriver, pocket, Phillips
Screwdriver, pocket, slotted
Screwstarters (2): Phillips; slotted
Socket set, 14 pc.
Solder
Solder aid, fork and reamer
Solder removal braid
Soldering iron
Spring tool, combination
Tweezers, reverse action
Wire stripper/crimper
Wrench, adjustable, 6"
Tool case with pallets

†NSN: Call 800-426-1194 for current number

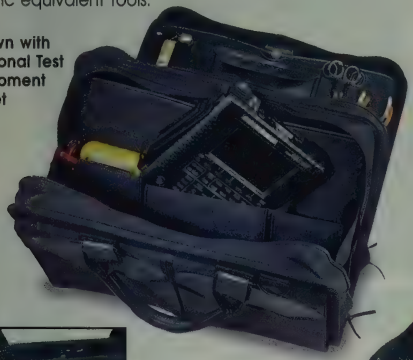
Cat. No.	Description	Case Style	Style (Ref. Pg. 54-55) No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
† JTK-99R	Electronic Technician's Service Kit	Rugged Duty Poly	9	17 3/4 x 14 1/2 x 9"	26	Winged	$560	$515	356-990	$205
JTK-99DS	Electronic Technician's Service Kit	Super Tough	8	17 3/4 x 14 1/2 x 9 1/4"	25	Winged	535	492	377-799	180
JTK-99XRRT	Electronic Technician's Service Kit	X-tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	26	Winged	580	534	377-889	225

JTK®-48
Field Service Kit

- **Pallets are interchangeable with any standard 17¾ x 12¾" hard cases. Call 1-800-426-1194 for assistance.**
- **Double sided Cordura® Plus case with padded section for test equipment**

Case includes three large outside pockets: one measuring 17 x 10¼ x 2" and two measuring 8½ x 10¼ x 2". Test equipment section is 17 x 12 x 4" to accommodate optional test equipment pallet. Extra wide, padded web strap handles and D-rings attached for optional shoulder strap. Metric version contains metric equivalent tools.

Shown with Optional Test Equipment Pallet







Secure your tools with this optional motion sensor alarm. See p. 76

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



QC Clip design makes pallet removal fast and easy

The JTK-48 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

Inch Set has 76 tools in all:
Metric Set has 72 tools in all:
Contact insert/extraction tool
DIP/IC extractor
File set, needle (3)
Hammer, ball peen, 4 oz.
Knife, electrician's
Hemostat, 6"
Hex key set, BP (11) in Inch Set, (7) in Metric Set
Handle, 4⅛"
Mini-maglite
Mirror/magnetic retriever
Modular phone line tester
Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
Pliers, (6): diagonal cutter 4¼", diagonal cutter 5¼", long nose 4¾", needle nose 6", groove joint 7", locking 5"
Screwdriver, jeweler's set, 7 pc.
Screwdriver, offset ratchet, slotted/Phillips
Screwdrivers, Phillips, (3): #0 x 3", #1 x 6", #2 x 4"
Screwdrivers, slotted, (4): 3/32 x 3", ⅛ x 6", 3/16 x 8", ¼ x 4"
Screwdriver, 2-in-1, stubby
Screwstarters (2): 9/64 x 6",.102 x 6"
Scissors, electrician's
Solder removal braid
Soldering iron
Spring tool, combination
Torx drivers (3): tamper-proof, TT10, TT15, TT20
Tape measure, 12'/3.5M
Trimpot tool
Tweezers, boley style
Wire stripper, 16-26 AWG
Wrench, adjustable, 6"
Wrench set (8): 13/64 - 3/8"
Cordura case

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-48	Inch Field Service Kit	Double Cordura	14	17¾ x 12¾ x 6¾"	16	Quick Change	$450	$414	216-048	$145
JTK-48MM	Metric Field Service Kit	Double Cordura	14	17¾ x 12¾ x 6¾"	16	Quick Change	450	414	216-048	145
216-019	Optional Test Equipment Pallet	–	–	–	–	–	15	14	–	–
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–
318-001	Optional Motion Alarm	–	–	–	.5	–	69	–	–	–

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JTK®-32

Electronic Equipment Installation & Service Kit

➥ Choose Slimline poly attaché or Cordura Plus zipper case, both with removable pallets



JTK-32S

Slimline poly attaché

Slimline poly case offers added protection and security when traveling. Features keylock latches and combination lock.



JTK-32Z

Cordura Plus

Rugged Cordura Plus case has three outside pockets for additional storage; one measures 17 x 10¼ x 2" and two measure 8½ x 10¼ x 2". Padded web strap handles and D-rings attached for optional shoulder strap.



QC Clip makes pallet removal fast and easy

JTK-32Z



JTK-32S

The JTK-32 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

75 tools in all:

Alignment tool, double end, slotted
Balldriver set, inch (8): .050-5/32"
Balldriver set, metric (6):1.5-5mm
DIP extractor
DIP inserter
Extension, blade, 7"
Handle, 4 1/8"
Hemostat, straight, 6"
Insert/extract tool #20
Mirror/magnet tool
Nutdriver blade set, inch (9): 3/16-1/2"
Pliers (6): Chain nose w/cutter 6 1/2"; mini chain nose 4 3/4"; diag. cutters 5"; mini diag. cutters 4"; groove joint 7"; locking long nose 6"
Rule, SS, 6"/15cm with pocket clip
Screwdrivers (8); Phillips #0 x 3", #1 x 6", #2 x 4"; slotted 3/32 x 3", 1/8 x 6", 3/16 x 3", 3/16 x 8", 1/4 x 4"
Screwdriver, 2-in-1
Socket set, 1/4" drive, (13): 3/16-1/2"
Solder Iron, 25W
Stripper, 16-26 AWG
Stripper/crimper
Torx® screwdrivers (3): T8, 10, 15
Trimpot adjustment tool
Wrench, adjustable, 4"
Wrench, combination, (7): 3/8-3/4"
Tool case with pallets

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95

For JTK-32 Only



Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-32S	Elec. Equip. Install & Serv. Kit	Slimline Poly Attaché	–	17 3/4 x 12 3/4 x 5"	20	Individual	$425	$391	54-890	$165
JTK-32Z	Elec. Equip. Install & Serv. Kit	Single Black Cordura	13	17 3/4 x 12 3/4 x 3 3/4"	17	Quick Change	370	340	216-320	110
216-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

JTK®-47

Field Engineer's Kit

Everything You Need for General Electronics Service

- Rugged Cordura® Plus cases
- Multi-functional tool selection

Single Sided Case has three outside pockets: one is 15 x 10 x 2" and two are $7^1/_2$ x 10 x 2".

Double Sided Case features a $14^3/_4$ x $10^1/_2$ x $1^1/_2$" padded internal pocket for delicate equipment and has three outside pockets: one is $14^3/_4$ x $11^3/_4$ x 2" and two are $7^1/_4$ x $11^1/_4$ x 2".

Both cases have padded web strap handles and D-rings attached for optional shoulder strap.



JTK-47GC



JTK-47DBLB JTK-47DBL JTK-47GC



JTK-47DBLB

Combination Lock



Cat. No.	Description	Each
40-647	Lock	$5.95

The JTK-47 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

81 tools in all:
Feeler Gauge .0015 - .025"
File, needle, 6" (3)
Hammer, ball peen, 4 oz.
Hemostat, 5"
Hex key set, 10 pc.
Knife, pocket
Lead former
Mirror, inspection
Penlight w/batteries
Pliers, (7): diagonal cutter, $5^1/_4$"; diagonal cutter, $4^1/_4$"; groove joint, 7"; long nose with cutter, $6^3/_4$"; long nose, mini, $4^3/_4$"; retaining ring, int/ext.; locking, 6"
Punch, pins (2): $^1/_{16}$ and $^1/_8$"
Rule, stainless, 6"
Scissors
Screwdriver, offset ratchet, Phillips/slotted
Screwdrivers, Phillips (3): #1 x 3"; #1 x 6"; #2 x 4"
Screwdrivers, slotted (3): $^3/_{16}$ x 3"; $^1/_4$ x 4"; $^5/_{16}$ x 6"
Screwdriver, stubby, 2-in-1
Screwdriver set, jeweler's, 7 pc.
Screwstarter, Phillips/slotted
Scribe, pocket
Socket set, $^1/_4$" drive, 13 pc.
Solder, pocket pack
Solder aid, fork/brush
Solder removal tool
Soldering iron
Spring tool, combination
Spudger
Tape measure, 12'/3.5m
Trimpot tool
Tweezers, reverse action
Wire crimper/stripper
Wire cutter/stripper
Wrench, adjustable, 6"
Wrench set, ignition, 8 pc.
Zipper tool case

†NSN: Call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-47GC	Field Engineer's Kit	Single Gray Cordura	13	$16^1/_4$ x 12 x 3"	11	Fixed	$380	$350	216-047	$85
	JTK-47DBL	Field Engineer's Kit	Double Gray Cordura	14	$16^1/_4$ x 12 x $4^1/_2$"	14	Fixed	420	386	216-472	120
	JTK-47DBLB	Field Engineer's Kit	Double Black Cordura	14	$16^1/_4$ x 12 x $4^1/_2$"	14	Fixed	420	386	216-472B	120
	216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

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For Prices & Specs - See bottom of page!



JTK®-19
3-Sided Tool Kit

- **Great for carrying spare parts and test equipment**
- **Shoulder strap included**

Designed for electronic technicians who service/repair a broad range of systems. Features a durable Cordura case that holds two full pallets of tools and provides a vast amount of storage. Computer section has room for a computer and documents. Center section can hold a large amount of paperwork or equipment. Center section measures 12 1/2 x 12 x 4".

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95

The JTK-19 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 2-3)

76 tools in all:
Cover, soldering iron
Extension blade, 4"
Handle, 4 1/8"
Handle, T-style
Hex blades, (9): .050-3/16"
Hex key set, (6): 1.5-5mm
Mirror/magnet retriever
Nutdriver blades, (9): 3/16-1/2"
Penlight, w/batteries
Pliers (6): long nose with cutter, 6"; diag. cutter, 4"; diag. cutter, 5"; groove joint; 7" long nose, 4 3/4"; locking, 5"
Rule, 6"/15cm, stainless steel
Scissors, electrician's
Screwdriver, 2-in-1
Screwdriver blades (4): slotted 1/4 and 3/16", Phillips #1 and #2
Screwdriver, offset: Phillips/slotted
Screwdrivers (7): slotted 1/4 x 4", 1/8 x 8", 3/32 x 3", 3/16 x 6"; Phillips #0 x 3, #1 x 6", #2 x 4"
Screwdriver set, jeweler's (6): 3 Phillips, 3 slotted
Screwstarter, double end
Socket set, 1/4" drive, 13 pc.
Solder Removal Braid
Soldering Iron
Tweezers, Boley
Wire stripper/cutter
Wrench, adjustable, 6"
Zipper case

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-1002/1003
Clean Room Tool Kits

- **Features inch and metric tools**

Jensen has taken every precaution to guard against particulate contamination and still provide the most functional clean room kit possible. Our PVC pallets are fully submersible in cleaning tanks or can be easily cleaned by hand. Cases are easily cleaned as well.

JTK-1002 contains all inch measure tools as well as metric tools on a third pallet.

JTK-1003 contains both inch and metric tools in a larger case. Features a side hinged pallet.


JTK-1002


JTK-1003

The JTK-1002/1003 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

112 Tools in all:
71 Inch tools:
Alignment tools (2)
Feeler gauge, inch/metric
Handle, driver blades (2): 3 1/8; 4 1/8"
Hemostat*
Hexdriver blades (9): .050-3/16"
Knife, pushbutton
Mirror, inspection
Nutdriver blades (9): 3/16-1/2"
Penlight w/batteries
Pliers (6): diag. cutter 4 1/4"; diag. cutter 5 1/4"; long nose 4 3/4"; long nose w/cutter 6 3/4"; groove joint 10"; retaining ring, internal/external
Rule, stainless steel, 6"/15cm
Screwdriver, offset, Phillips/slotted
Screwdrivers, Phillips (4): #0 x 3"; #1 x 3"; #2 x 4"; #2 stubby
Screwdrivers, slotted (6): 1/8 x 3"; 3/16 x 3"; 3/16 x 6"; 1/4 x 4"; 1/4" stubby; 5/16 x 6"
Screwdriver set, jeweler's, 7 pc.
Screwstarter, Phillips/slotted
Scissors, thinline*
Socket set, 1/4" drive (13): 3/16-1/2"
Spring tool, combination
Wire crimper/stripper
Wire stripper, 16-26 AWG
Wrenches, adjustable (2): 4; 8"
Tool case, two pallets
41 Metric tools:
Hex driver blades (7): 1.27-5mm
Hex Key set (7): 2-8 mm
Nutdriver blades (10): 4-11mm
Socket set (9): 4-12mm
Wrench set, open end (8): 4-9mm
Tool case, three pallets

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-19	3-Sided Toolkit	Triple Black Cordura	–	17 1/2 x 12 x 9"	15	Fixed	$415	$382	54-019	$145
JTK-1002	Inch/Metric Clean Room Kit	Deluxe Poly	3	17 3/4 x 12 3/4 x 6"	20	Bottom	600	552	377-377	285
JTK-1003	Inch/Metric Clean Room Kit	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	25	Side	620	570	377-945	305

JTK®-36

Compact, Lightweight Service Engineer's Kit

➥ **Fits inside luggage or briefcase**

Provides the basic tools for service, trouble-shooting and maintenance of computers, printers, business machines and other electronic equipment. Cordura® Plus zipper case features three outside pockets: one is 12 x 10 x 2" and two are 6 x 10 x 2". Padded web strap handles and D-rings attached for optional shoulder strap.



Shown with Optional Meter



JTK-36BK



Secure your tools with this optional motion sensor alarm. See p. 76



Optional Meters begin on page 78

Combination Lock



Cat. No.	Description	Each
40-647	Lock	$5.95

The JTK-36 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

51 tools in all:

Alignment tool
Burnishers (3)
Extension, 4"
File, Needle, $6\frac{1}{4}$"
Hemostat, 5"
Hex Key Set, (10): .028 - $\frac{5}{32}$"
Knife, light-duty
Nutdriver blades (6): $\frac{3}{16}$ - $\frac{1}{2}$"
Penlight w/batteries
Pliers (5): diag. cutter, $4\frac{1}{4}$"; long nose, $4\frac{3}{4}$"; long nose, $6\frac{3}{4}$"; groove joint, 7"; retaining ring (Int/Ext)
Rule, stainless steel, 6"
Scissors
Screwdriver, offset slot/Phillips
Screwdriver, pocket (2) slot/Phillips
Screwdriver blades (4): Phillips #1, #2; slotted $\frac{3}{16}$, $\frac{1}{4}$"
Screwdriver set, jeweler's (6): slot/Phillips
Solder aid
Solder removal braid
Soldering iron
Trimpot tool
Wire stripper/cutter
Wrench, adjustable, 6"
Zipper tool case

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-36BK	Service Engineer's Kit	Single Black Cordura	13	$13\frac{1}{2}$ x 10 x $2\frac{1}{2}$"	7	Fixed	$250	$230	54-036	$70
JTK-36GC	Service Engineer's Kit	Single Grey Cordura	13	$13\frac{1}{2}$ x 10 x $2\frac{1}{2}$"	7	Fixed	250	230	216-036	70
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–
318-001	Optional Motion Alarm	–	–	–	–	–	69	–	–	–

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JTK®-86 Technician's Tool Kit

- **Our most popular lightweight technician's kit**
- **Ultra lightweight . . . only 8 lbs!**

You wouldn't expect to find a selection of tools like this in a zipper case. A complete 13-piece 1/4" drive socket set including ratchet, spinner handle and extensions, 9-blade foldup hex key set, 11-blade feeler gauge, plus locking pliers.

Also includes a set of four miniature Phillips metric screwdrivers, DIP remover, DIP clip, hemostat, trimpot adjusting tool, solder remover and other solder equipment, pliers and cutters, assorted screwdrivers, wire stripper, and more (see complete listing below).

Two outside pockets are 6 x 10 x 2", and one is 12 x 10 x 2". Padded web strap handles and D-rings attached for optional shoulder strap.



Shown with Optional Meter

JTK-86BK


JTK-86BK

JTK-86GC

JTK-86C

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95





Optional Meters begin on page 78

The JTK-86 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

58 tools in all:

Alignment tool
Burnisher
DIP clip, 16 pins installation
DIP remover, anti-static
Feeler gauge .0015 - .025"
File needle, 6 1/4"
Handle, driver blades, 4 1/8"
Hemostat, straight, 5"
Hex key set, fold up (9) .050-3/16"
Knife, light-duty
Mirror, inspection
Penlight w/batteries
Pliers (5): diagonal cutter, 4 1/4"; long nose, 4 3/4"; long nose with cutter, 6 3/4"; retaining ring, convertible locking, 6"
Rule, stainless, 6"
Scissors, electronic
Screwdriver, offset, Phillips/slotted
Screwdriver, Phillips #0 x 3"
Screwdriver, slotted, 3/32 x 3"
Screwdriver blades (4): Phillips #1, #2; slotted, 3/16, 1/4"
Screwdriver (4), Phillips, 1.5 - 3mm
Socket set, 1/4" drive, (13)
Solder aid, knife and brush
Solder removal tool
Soldering iron
Spring tool, combination
Trimpot adjustable tool
Wire stripper
Wrench, adjustable, 6"
Zipper tool case

†NSN: call 800-426-1194 for current number

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-86BK	Technician's Tool Kit	Single Black Cordura	13	13 1/2 x 10 x 2 1/2"	8	Fixed	$295	$271	54-086	$75
JTK-86GC	Technician's Tool Kit	Single Grey Cordura	13	13 1/2 x 10 x 2 1/2"	8	Fixed	295	271	216-086	75
JTK-86C	Technician's Tool Kit	Single Brown Cordura	13	13 1/2 x 10 x 2 1/2"	8	Fixed	295	271	54-730	75
[illegible]	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–
[illegible]	Optional Brown Shoulder Strap	–	–	–	–	–	10	9	–	–

JTK®-16

Compact Technician's Kit

For Prices & Specs - See bottom of page!

Gray Cordura® Plus case features three outside pockets: one measures 10 1/2 x 9 x 2" and two measure 5 1/2 x 9 x 2". Web strap handles with leather wrap and D-rings attached for optional shoulder strap.



Shown with Optional Meter

The JTK-16 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

41 tools in all:
Alignment tools, 2 pc.
Burnisher
File, needle, flat
Handles, driver blades (2) 3 1/8", 4 1/8"
Hex key set, 10 pc.
Knife, precision with blade
Nutdriver blades, stubby (3) 1/4, 5/16, 3/8"
Pliers (4) diagonal cutter, 4 1/4"; groove joint, 6"; long nose, 4 3/4"; long nose with cutter, 6 3/4"
Rule, stainless, 6"
Screwdriver, Pocket (2) slot/phillips
Screwdriver blades, Phillips (2) #1; #2
Screwdriver blades, slotted (3) 3/16, 1/4, 5/16"
Screwdriver set, jeweler's (6) Phillips/slotted
Solder aid, fork and hook
Soldering iron
Wire stripper/cutter
Wrench, adjustable, 4"
Zipper case

Lifetime Guarantee *on all Jensen brand hand tools*

Optional Meters begin on p. 78

JTK®-10

General Electronic Service Kit

A selection of over 50 multi-function tools for general electronic repair and installation. The cases are available in gray Cordura® Plus with black **leather** trim or black ballistic nylon with brown **leather** trim. Three large outside pockets for spare parts and other accessories: one is 11 x 9 1/2 x 2" and two are 5 1/2 x 9 1/2 x 2". Web strap handles with leather wrap and D-rings attached for optional shoulder strap.



Shown with Optional Meter and Soldering Iron

The JTK-10 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

53 tools in all:
Hemostat, 6"
Hex keys, fold-up, 9 pcs. 050-3/16"
Knife, snap blade
Pliers, (4): diagonal cutter 4 1/4"; long nose with cutter 6 1/2"; groove joint 7"; locking pliers 5"
Rule, SS, 6"/15cm with pocket clip
Scissors, electrician's
Screwdriver set, jeweler's, 7 pc. slotted/Phillips
Screwdrivers (6): Phillips #0 x 2"; #1 x 3"; #2 x 4"; slotted 1/8 x 4"; 3/16 x 4"; 1/4 x 4"
Socket set, 13 pc., 1/4" drive, 3/16-1/2"
Tape measure, 12'/3M
Torx fold-up, 7 pc., T6-T20
Wire stripper/cutter
Wrench, adjustable, 6"
Zipper case

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95





JTK-10GY JTK-10B

†NSN: Call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-16GC	Compact Technician's Kit	Single Gray Cordura	13	11 1/2 x 10 x 2 1/2"	5	Fixed	$200	$184	216-016	$60
	JTK-10GY	General Electronic Service Kit	Single Gray Cordura	13	11 1/2 x 10 x 2 1/2"	7	Fixed	210	193	216-111	75
	JTK-10B	General Electronic Service Kit	Single Black Nylon	13	11 1/2 x 10 x 2 1/2"	7	Fixed	215	198	216-112	80
	216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–
	47-723	Optional Solder Iron for JTK-10	–	–	–	–	–	31	–	–	–

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

JTK®-11S Laptop Tool Kit

Ideal for the supervisor or technician who needs a basic selection of hand tools with room for a laptop, cords, cell phone, disks and more. Made from durable Cordura Plus nylon. Cushion grip handle, D-rings for optional shoulder strap, outside document pouch and snapping latches give a professional appearance.



Cell phone and computer not included

All JTK-11S Tools are backed by Jensen's Lifetime Guarantee (See page 4)

52 tools in all:
Handle, 4 1/2"
Hex key set, fold-up, 9 pc.
Nutdriver blades (6) 3/16; 7/32; 1/4; 5/16; 3/8; 7/16"
Penlight w/batteries
Pliers (4) groove joint, 7"; long nose w/cutter, 6 1/2"; mini-diag. cutter, 4 1/2"; mini-long nose, 4 3/4"
Screwdrivers, Phillips (3) with pocket clip, #0 x 3"; #1 x 6"; #2 x 4"
Screwdrivers, slotted (4) w/pocket clip, 3/32 x 3"; 1/8 x 6"; 3/16 x 6"; 1/4 x 4"
Screwdriver set, jeweler's, 7 pc.
Screwdriver, stubby, 2-in-1
Scissors, electrician's
Socket set, 1/4" drive, 14 pc.
Wire stripper/cutter
Wrench, adjustable, 4"
Tool case with pallet

Cat. No.	Description	Case Style	Style No.	Dimensions (L x W x D)	Weight (lbs.)	Pallet Style Ref. Pg. 55	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-11S	Laptop Tool Kit	–	–	16 x 12 x 3 1/2"	8	Fixed	$229	$211	54-625	$85
216-432	Optional Shoulder Strap	–	–	–	–	–	10	9	–	–

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-66 Electrician's Tool Kit

Industry Standard Tools

Perfect for electrical, low voltage and general maintenance work. Heavy-duty 5" wide nylon belt provides lumbar support. Tool pouch has large main pouch with tool holders, formed front pockets, side tool loops, tape measure clip and chain toggle for electrical tape. Outlasts leather work belts. Tool pouches are movable on the belt for a custom fit and feature Velcro® strips to keep pouches in place. To fit, measure just below navel over clothing.



All JTK-66 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

Electrical tape 3/4"
Pliers, diagonal cutter 8"
Pliers, long nose w/side cutter 7 1/2"
Pliers, lineman's w/fish tape puller 9"
Pliers, groove joint 10"
Screwdriver, #1 Phillips
Screwdriver, #2 Phillips
Screwdriver, 3/16 x 3" slotted
Screwdriver, 6" slotted
Stripper/cutter 10-18g solid wire
Tape measure 25'/7.5M
Utility knife
Wrench, adjustable 8"
Work belt and pouch

Warning: Tools do not provide protection against electrical shock. Do not use on or near live electrical circuits.

Cat. No.	Description	Size	Weight	Each 1-2	Each 3-9
JTK-66M	Deluxe Kit, Medium	31-35"	7.5 lbs.	$189	$174
JTK-66L	Deluxe Kit, Large	35-39"	7.5 lbs.	189	174

Suggested Optional Equipment

Cat. No.	Description	See Page	Each
[illegible]-125BK	Universal Tool Pouch	60	$24.50
[illegible]-63	Digital Multi Meter	78	65.00
[illegible]-39	Clamp Meter	79	199.00





Optional Universal Tool Bag has large main pocket, upper and front pocket, pencil pocket and hammer holster on both sides.

For Prices & Specs - See bottom of page!

JTK®-6C Compact Kit

Ideal for engineers, scientists, technicians, students, executives – anyone who might be required to dismantle or service electronic equipment. Deluxe padded zipper case in blue Cordura® Plus nylon.





Shown with Optional Jensen Pen DMM

The JTK-6 tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

30 tools in all:

- Alignment tool
- Burnisher
- Files, flexible, (2)
- Hex key set, 10 pc.
- Knife, light-duty
- ***Pliers (2) diagonal cutter, 4 1/4"; long nose, 4 3/4"***
- ***Rule, stainless, 6"***
- Scissors, thin line
- ***Screwdriver blades (5) Phillips #0, #1, #2; slotted, 3/16, 1/4"***
- ***Screwdriver blade handle, 4 1/8"***
- ***Screwdrivers, slotted, miniature (2)***
- Solder aid fork and hook
- Soldering iron
- ***Wire stripper/cutter***
- ***Wrench, adjustable, 4"***
- Zipper case

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-3300 "Briefcase" Kit

Designed to be small enough to fit in a briefcase or luggage, but performs the functions of a much larger kit. Soft padded **black leather case** creates an elegant package for these top quality tools.





All JTK-3300 Tools are backed by Jensen's Lifetime Guarantee (See page 4)

34 tools in all:

- ***Handle, 4 1/8"***
- ***Hex keys, fold-up, 9 pc. .050-3/16"***
- ***Nutdriver blades, (2) 3/16, 1/4"***
- ***Pliers, (3) diagonal cutter, 4 1/4"; mini long nose, 4 3/4"; groove joint 5"***
- ***Penlight w/batteries***
- ***Screwdriver blades (4) Phillips #0, #1, slotted 1/8, 3/16"***
- ***Screwdriver set, jeweler's Phillips/ slotted, 7 pc.***
- ***Torx fold-up 7 pc., T6-T20***
- Zipper case

Cat. No.	Description	Case Style	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-6C	Compact Kit	Blue Cordura	–	7 x 9 x 2"	3	Fixed	$120	$110	54-955	$30
JTK-3300	"Briefcase" Kit	Black Leather	–	6 x 7 x 1 1/4"	3	Fixed	105	97	216-033	30
JTM-67	Optional Jensen Pen DMM	–	–	–	–	–	59	–	–	–

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

For Prices & Specs - See bottom of page!



Shown with optional Shoulder Strap

JTK®-31

Multi-Purpose "Kit-in-a-Bag"

Comprehensive tool selection enables the technician to handle electrical,electronic, and mechanical tasks with ease. Pouches include pliers and screwdrivers for easier tool selection. All tools fit into the rugged blue Cordura® Plus tool bag with plenty of room for extra equipment. Bag measures 12 x 6 x 5 1/2" and features inside and outside pockets for small tools. Strong web strap handle and zipper closure. D-rings attached for optional shoulder strap.

All JTK-31 Tools are backed by Jensen's Lifetime Guarantee (See page 4)

33 tools in all:
- *Hammer, ball peen, 4 oz.*
- *Hex key set, fold-up, 9 pc; 5/64 - 1/4"*
- *Knife, electrician's*
- *Pliers, groove joint, 7"*
- *Pliers (4) kit with roll pouch: diagonal cutter, 5 1/4"; long nose with cutter, 6 3/4"; mini diag. cutter, 4 1/4"; mini long nose, 4 3/4"*
- *Pliers, locking, 7"*
- *Screwdriver, magnetic tip with 5 bits*
- *Screwdriver set in pouch (5): slotted pocket clip; 3/32 x 3"; slotted 3/16 x 3", 1/4 x 4"; Phillips #1 x 3", #2 x 4"*
- *Screwdriver, stubby 2-in-1*
- *Socket set, 1/4" drive, 14 pc., 3/16-1/2"*
- Soldering iron*
- *Tape measure, 12'/3.5m*
- *Wrench, adjustable, 6"*
- Tool Bag

*1 Year Warranty

Lifetime Guarantee *on all Jensen brand hand tools*



JTK®-81

Roll Pouch Kit

- Compact & lightweight...only 5 pounds
- Top quality tools & heavy-duty pouch w/Velcro® closure

All JTK-81 Tools are backed by Jensen's Lifetime Guarantee (See page 4)

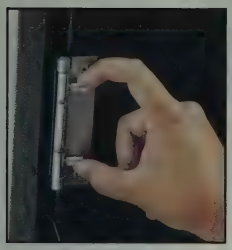
33 tools in all:
- *Extension blade, 4"*
- *Handle, 4 1/8"*
- *Hex key, fold-up, 9 pc., 5/64-1/4"*
- *Knife, electrician's*
- *Nutdriver blades (5): 3/16-7/16"*
- *Pliers (4): diag. cutter, 5"; long nose, 6 1/2"; locking, 5", groove joint 7"*
- *Screwdriver blades (4): slotted: 3/16 and 1/4"; Phillips: #1 and #2*
- *Screwdriver, pocket (2), slotted: 3/32 x 3"; Phillips: #0 x 3"*
- *Socket set, 1/4" drive, 13 pc.*
- *Torx fold up, 7 pc., T6 -T20*
- *Wire stripper/cutter*
- *Wrench, adjustable, 6"*
- Roll pouch

†NSN: Call 800-426-1194 for current number

Cat. No.	Description	Case Style	Style No.	Dimensions (L x W x D)	Weight (lbs.)	Pallet Style Ref. Pg. 55	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
† JTK-31	Multi-Purpose Kit-in-a-bag	–	–	11 x 6 x 6"	7 3/4	Fixed	$205	$189	392-306	$20
† JTK-81	Roll Pouch Kit	–	–	–	5	–	149	137	216-003	18
215-603	Optional Shoulder Strap*	–	–	–	–	–	3	–	–	–

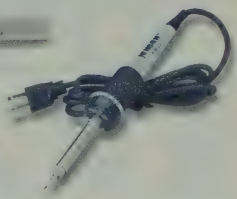
JTK-88





Easy-to-remove wing pallets attach directly to case







JTK-88S JTK-88

JTK®-88

Inch/Metric Electro-Mechanical Kit

- Over 130 top quality tools, including 42 metric
- Metric tools on removable wing pallets allow technician to carry them only when needed

The ultimate in versatility. An inch/metric tool variety for servicing foreign and domestic equipment; Wing pallets hold metric tools, and are quickly detached at the hinge, eliminating 5 lbs.

3 Year Warranty on all Jensen Polyethylene cases (see page 7)

The JTK-88 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

135 tools in all:
Balldriver set, inch (13): .050-3/8"
Balldriver set, metric (9): 1.5mm-10mm
Brush, steel scratch
Extension, driver blade, 4"
Handle, 4 1/2"
Knife, light-duty
Knife blades, #11
Mirror/magnet tool
Nutdriver blade set (9): 3/16-1/2"
Nutdriver blade set (10): 4-11mm
Pliers (6): chain nose with cutter, 6 1/2"; chain nose, mini, 4 3/4"; diagonal cutters, mini, 4"; groove joint, 10"; locking, 5"; slip joint, 6"
Scissors, electrician's
Screwdrivers, Phillips (4): #0 x 3" pocket clip; #1 x 6"; #2 x 4"; #2 x 1 1/4" stubby
Screwdrivers, slotted (6): 1/8 x 3" pocket clip; 1/8 x 4"; 3/16 x 3"; 3/16 x 8"; 1/4 x 1 1/4" stubby; 1/4 x 4"
Screwdriver, Phillips/slotted ratcheting offset
Screw starter, double-ended
Socket set, 1/4" drive, (14): 3/16-1/2"
Socket set, 1/4" drive (9): 4-12mm
Soldering iron, 25W
Solder, pocket pack
Spline key set, 10 pc.
Stripper, 16-26 AWG
Stripper/cutter/crimper
Tape measure, inch/metric
Torxdrivers (4): TT8; TT10; TT15; TT20
Wrench, adjustable, 6"
Wrench set OE (13): 13/64-7/8"
Wrench set OE (13): 4-19mm
Tool case with pallets

Cat. No.	Description	Case Style	(Ref. Pg. 54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-88	Inch/MM Electro-Mechanical Kit	Deluxe Poly		3	17 3/4 x 12 3/4 x 6"	27	Winged	$645	$593	54-088	$235
JTK-88S	Inch/MM Electro-Mechanical Kit	Super Tough		8	17 3/4 x 14 1/2 x 9"	27	Winged	655	603	54-288	245

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JTK®-93

Electro-Mechanical Service Kit

➥ 137 top quality tools



JTK-93LW features an extra wide case. Equipped with 2 spring loaded handles, padlock hasp and 1/4 turn drawbolt style latches for extra durability.

Metric "Add-On" Kit

➥ Convert JTK-93 to inch/metric, or use as a "stand-alone"
➥ Cordura® Plus tri-fold case with Velcro® closure



All CK-93MM Tools are backed by Jensen's Lifetime Guarantee (See page 4)

43 tools in all:	*Pin punches (3): 1, 2, 3mm*
Hex blades (7) 1.27mm-5mm	*Sockets 1/4" drive (9): 4mm-12mm*
Handle, T-style	*Wrenches, ignition (8): 4mm-9mm*
Handle, ratchet 1/4" drive	*Wrenches, open-end (5): 10mm-19mm*
Nutdriver blades (9): 4mm-10mm	Case, Cordura®

JTK-93 JTK-93XRRT

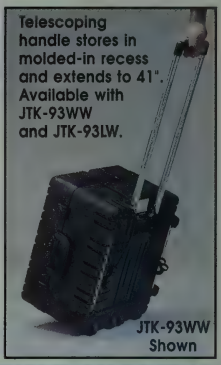


3 Year Limited Warranty on all Jensen Polyethylene cases (see page 7)



JTK-93LW

Telescoping handle stores in molded-in recess and extends to 41". Available with JTK-93WW and JTK-93LW.



JTK-93WW Shown

The JTK-93 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

137 tools in all:

Alignment tools (2)
Brush, steel, 8"
Burnishers (3)
Caliper, dial
Cold chisel set, 3 pc.
Feeler Gauge .0015-.025"
File handle
File set, 3 pc.
Fuse puller
Hacksaw
Hacksaw blades (2)
Hammer, ball peen, 12 oz.
Handle, driver blades (2): 3 1/8, 4 1/8"
Hexdriver blades (9): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"
Hex key set, metric 1.5-6mm, 7 pc.
Hex key set, 9 pc. foldup, 5/64-1/4"
Icepick scribe
Knife, electrician's
Level, torpedo, magnetic, 9"
Mirror, inspection
Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
Penlight w/batteries
Pliers (6): Diagonal cutter, 4 1/4"; diagonal cutter, 5 1/4"; groove joint, 10"; long nose, 4 3/4; long nose with cutter, 6 3/4"; retaining ring internal/external
Pliers, lineman's heavy-duty
Pliers, locking, 7"
Punch, center, 3/32"
Punch, pin (2): 1/16, 1/8"
Reamer, handled, 7 1/2"
Rule, stainless, 6"
Screwdriver, offset ratchet, slotted/Phillips
Screwdriver, Phillips #0 x 3", pocket clip
Screwdriver, Phillips (3): #1 x 3"; #2 stubby; #2 x 4"
Screwdriver, slotted 3/32 x 3", pocket clip
Screwdriver, slotted (6): 1/8 x 4"; 1/8 x 8"; 3/16 x 3"; 1/4" stubby; 1/4 x 4"; 5/16 x 6"
Screwdriver set, jeweler's, 7 pc.
Screwstarter, Phillips/slotted
Socket set, 1/4" drive, 14 pc.
Solder aid, fork and brush
Soldering iron, 115V (230V opt.)
Spring tool, pull
Spring tool, push
Tape measure, 12'/3.5m
Tapping tool, 3-in-1
Tweezers, reverse action
Wire crimper/stripper
Wire stripper/cutter
Wrench, adjustable (2): 4", 8"
Wrench set, combination, 10 pc. 5/16-7/8"
Wrench set, ignition, 8 pc.
Tool case with pallets

Cat. No.	Description	Case Style	(Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-93	Inch Electro-Mech. Service Kit	Heavy-Duty Poly		–	17 3/4 x 14 1/2 x 7 1/2"	35	Side	$750	$690	356-950	$200
JTK-93XRRT	Inch Electro-Mech. Service Kit	X-Tra Rugged Rota-Tough™		7	17 3/4 x 14 1/2 x 10"	33	Side	780	718	377-093	230
JTK-93WW	Inch Electro-Mech. Service Kit	Roto-Rugged "Tote"		10	17 3/4 x 14 1/2 x 12"	40	Side	890	819	377-393	345
JTK-93LW	Inch Electro-Mech. Service Kit	Roto-Rugged "Tote"		10	24 7/8 x 14 1/2 x 12"	45	Individual	925	851	377-394	375
JTK-93MM*	Metric Electro-Mech. Service Kit	X-Tra Rugged Rota-Tough™		7	17 3/4 x 14 1/2 x 10"	34	Side	805	741	377-093	230
CK-93MM	Metric Add-On Kit	Tri-Fold		–	10 1/2 x 7 1/2 x 1 1/2"	4	–	165	152	216-930	20

*Inch measurement tools have been replaced with their metric equivalent.

JTK®-91

Electro-Mechanical Installer's Kit

- One of our most popular kits for electrical/mechanical tasks
- Storage space for extra equipment
- Choice of three case styles



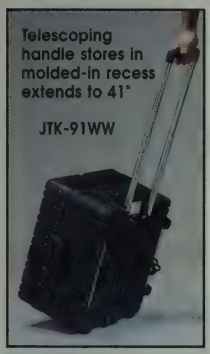
JTK-91R and JTK-91MM

JTK-91DST

3 Year Warranty on all Jensen Polyethylene cases (see page 7)



JTK-91R



Telescoping handle stores in molded-in recess extends to 41"

JTK-91WW





Optional Meters begin on page 78

The JTK-91 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

99 tools in all:
Brush, brass, cleaning
Flashlight, with continuity tester
Files, 6" (3): flat; half round; rat tail
Hacksaw, junior 8 1/2"
Hammer, ball peen, 8 oz.
Hammer, soft face, 8 oz.
Handle, file
Hemostat, straight, 6"
Hex key set, ball-end, 12 pc.
Knife, electrician's
Mirror/magnet tool
Oiler, leakproof
Parts box
Pliers (7): diagonal cutter, 4 1/4"; diagonal cutter, 5 1/4; groove-joint, 10"; long nose, mini, 4 3/4"; long nose, with cutter, 6 3/4"; retaining ring, combination; slip-joint, 6".
Pliers, locking 7"
Punch, center
Punch pins (2): 1/16 and 3/32"
Retrieval tool, flexible claw
Rule, stainless steel, 6"
Screwdriver, ratchet offset, slotted/Phillips
Screwdriver, Phillips (4): #0 x 3"; #1 x 3"; #1 x 6"; #2 x 4"
Screwdriver, slotted (5): 3/32 x 3"; 3/16 x 8"; 1/4 x 4"; 5/16 x 6"; 1/8 x 8"
Screwdriver, stubby, 2-in-1
Screwdriver set, jeweler's, 7 pc.
Screwstarter, double-end slotted/Phillips
Scribe, 3 point set
Snips, utility
Socket set, 3/8" drive, 23 pc.
Solder, pocket pack
Soldering aid, fork and reamer
Soldering iron
Tape measure, 12'/3.5m
Wire crimper/stripper
Wire cutter/stripper
Wrench, adjustable 8"
Wrench set, combination (9): 3/8-7/8"
Tool case with pallets
JTK-91MM contains these metric equivalent tools:
Hex key set, 9 pc; 1.5 - 10mm
Punches, pin; 2mm, 3mm
Socket set; 24 pc.
Wire crimper/striper
Wrench set; (6); 8 - 19mm
Wrench set; (3); 3/4" - 7/8" also included

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-91DST	Inch Electro-Mech. Installer's Kit	Super-Tough™	8	17 3/4 x 14 1/2 x 9 1/4"	29	Side	$599	$551	377-391	$160
JTK-91R	Inch Electro-Mech. Installer's Kit	X-tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	31	Side	639	588	377-910	205
JTK-91WW	Inch Electro-Mech. Installer's Kit	Roto-Rugged "Tote"	10	17 3/4 x 14 1/2 x 12"	37	Side	754	694	377-911	315
JTK-91MM	Metric Electro-Mech. Installer's Kit	X-tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	33	Side	680	626	377-910	205

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JTK®-67C
3-Sided Electrical Control Engineer's Kit

➥ **Over 100 insulated and non-insulated tools**

Provides an essential tool selection with room for optional test and diagnostic equipment in a single case. Two 18 x 12 x 2 1/4" outer compartments house tools and optional test equipment while the 18 x 12 x 4" center compartment has a padded pocket for a laptop or notebook computer and space for manuals, paperwork and diskettes. Case features web strap handles plus a shoulder strap.

A DMM and current clamp are suggested options with space provided for these and other options you may require.



For Prices & Specs - See bottom of page!

Shown with optional equipment

For additional 1000V insulated tools, see pages 236-238

The JTK-67 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

105 tools in all:
Bit set, 1/4" hex, 39 pc.
File, needle, 4 pc.
Hacksaw, mini
Hammer, ball peen 4 oz.
Handle, magnetic
Handle, 4 1/8"
Hex key set, ball end, .050-5/16" 12 pc.
Knife, snap blade
Magnifier 2X/4X with light
Mirror, telescoping with magnet
Mini-maglite, AA
Nutdriver blades, 3/16-1/2" 9 pc.
Parts boxes (4)
Pliers, insulated (2), long nose with cutter, 8"; diagonal cutter, 7"
Pliers, non-insulated, (3): diagonal cutter, 4 1/4"; long nose, 4 3/4"; groove joint, 4"
Punch, center, automatic
Rule, SS, 6"/15cm
Scissors, electrician's
Screwdrivers, insulated, Phillips: (8), #0 x 2 1/4", #1 x 3", #2 x 4", slotted: 1/8 x 3", 5/32 x 4", 3/16 x 5", 1/4 x 6", 1/8 x 3" pocket volt tester
Screwdriver set, mini, 6 pc.
Screwstarter, slot/Phillips
Solder removal braid
Soldering iron
Tape measure, 12'/3.5m
Wire stripper, 16-26 AWG
Wrench, adjustable, 6"
Wrist strap, anti-static
Zipper case

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-23C
Multi-Fastener Tool Kit

➥ **Contains over 80 of the most requested fastening tools**

➥ **Ideal for electro-mechanical tasks**

Provides the essential tools required for most fasteners in use today. Rugged Cordura® Plus case has room for all tools plus extra storage in the three external pockets: one pocket measures 12 x 10 x 2" and two measure 6 x 10 x 2". D-ring attached for optional shoulder strap.



Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



All JTK-23 Tools are backed by Jensen's Lifetime Guarantee (See page 4)

82 tools in all:
Extension blade, 4"
Handles, 4 1/8", "T"
Hex key set, BP, 11 pc.
Hexdriver blades, 9 pc., .050-3/16"
Nutdriver blades, 9 pc., 3/16-1/2"
Pliers, (4) Long nose with cutter, 6 3/4"; diagonal cutter, 5"; locking, 5"; slip joint, 6"
Penlight w/batteries
Rule SS, 6"/15cm
Screwdriver, offset, ratchet
Screwdriver blades (3), #0, #1, #2
Screwdriver blades (3), 1/8, 3/16, 1/4"
Screwdriver, pocket, 3/32 x 3"
Screwdriver, pocket, #0 x 3"
Socket set, 3/16-1/2" 14 pc.
Tape measure, 12'/3.5m
Tamper Torx blades (3), TT8, TT10, TT15
Torx fold-up, T6-T20 7 pc.
Wrench, adjustable (2), 6" and 8"
Wrench set, ignition, 13/64-3/8" 8 pc.
Wire crimper/stripper
Zipper Case

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-67C	Electrical Control Engineer's Kit	Triple Blue Cordura	–	17 x 11 x 8"	20	Fixed	$685	$630	54-067	$170
JTK-23C	Multi-Fastener Tool Kit	Single Blue Cordura	13	13 1/2 x 10 x 2 1/2"	9	Fixed	305	281	216-023	75
214-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

*Not UPS

JTK®-94 Deluxe Industrial Kit with PROTO® Tools

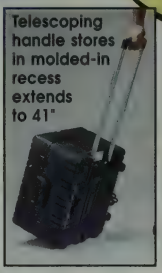
For Prices & Specs - See bottom of page!

- Over 90 tools with lifetime warranty . . . if a tool fails, we replace it
- Choose between two tool-case styles

All tools in the JTK-94 are backed by Manufacturer's Lifetime Warranty

91 tools in all:
Pliers (4): Diagonal cutter, 7"; groove joint, 10"; long nose with cutter, 6"; slip joint, 8"
Hex key set, fold-up (8): 3/32-1/4"
Socket set, 3/8" drive (23): 3/8-7/8" regular and deep sockets, 3/8" drive ratchet, 3" and 6" extensions, 3/8" U-Joint, metal box
Socket set, 1/2" drive (20): 3/8" to 1 1/4" regular sockets; 1/2" drive ratchet; 5" and 10" extensions; 1/2" U-Joint; 1/2" drive hinge handle
Screwdrivers, rubber grip (9): Phillips #1 x 3, #2 x 4, #3 x 6, #2 x 1 1/2"; slotted 3/8 x 8, 5/16 x 6, 1/4 x 4, 3/16 x 3, 1/4 x 1 1/2"
Torx key set, fold up (9): T9-T40
Wrench adjustable (3): 6", 8", 10"
Wrench combination (15): 5/16-1 1/4"
Tool case with pallets







JTK-94WW



JTK-94F

JTK-94F features a 4-sided "tote" case with foam Tool Control Pallets. Four precision cut pallets hold tools snugly. Case features a telescoping handle, four clear hinged dividers, four 1/4-turn latches, wheels, padlock hasp and spring-loaded handle. See page 61 for information on Jensen's Tool Control Program.



Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-96
Industrial Tool Kit
Our Largest Selection of Tools

- 148 tools: the right tool for every job

The JTK-96 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

148 tools in all:
Brush, cleaning
Brush, scratch
File set, 3 pc.
Fuse puller
Hacksaw with blade
Hammer, ball peen, 12 oz.
Hammer, dead blow, 18 oz.
Handle, file
Hex key set, 13 pc. .050-3/8"
Level, torpedo, magnetic, 9"
Magnetic pick-up tool, 15"
Mechanical finger, 24"
Pliers, (4): Diagonal cutter, 6"; long nose, 6 3/4"; groove joint, 7"; groove joint, 10"
Pliers, linesman, 9"
Pliers, locking, 7"
Pliers, internal/external retaining ring with tips
Reamer, hand
Rule, SS, 6"/15cm
Scribe/awl
Screwdriver set, 8 pc. Phillips #1 x 3"; #2 x 4"; #2 x 1 1/2"; slotted 1/4 x 1 1/2"; 1/4 x 4"; 5/16 x 6"; 3/16 x 6"; 3/8 x 8"
Screwdriver bit set, 30 pc. with handle/adapters
Snips, utility
Socket set, 50 pc. inch/mm, 1/4", 3/8" drive
Tape measure, 25'
Tapping tool, 6-in-1
Torx key fold-up, 8 pc.
Wrench, adjustable (2): 6" and 10"
Wrench set, combination 10 pc. 5/16-7/8"
Tool case with pallets



3 Year Warranty on all Jensen Polyethylene cases (see page 7)

Cat. No.	Description	Case Style	(Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-94WW	Deluxe Industrial Kit	Roto Rugged "Tote"		10	17 3/4 x 14 1/2 x 10"	54	Side	$935	$860	377-494	$350
JTK-94F	Deluxe Industrial Kit w/foam	4-Sided "Tote"		-	17 3/4 x 14 1/2 x 9"	48	Foam	1285	1090	54-196	679
JTK-96	Industrial Tool Kit	X-tra Rugged Rota-Tough™		7	17 3/4 x 14 1/2 x 10"	47	Side	699	643	377-960	210

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Fax Lines: 800-366-9662 • 602-438-1690

JTK®-75
Bio-Medical Technician's Kits

➥ Inch or inch/metric kits

For Prices & Specs - See bottom of page!

The JTK-75 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

Inch Kit has 122 tools in all:
Alignment tools, (2)
Awl/scribe
Burnishers, (3)
Files (2): flat; rat tail, 6"
File handle
File kit, 5½", 8 pc.
Gauge, feeler
Hammer, ball peen 4 oz.
Handle, driver blades, (2): Regular; T-style
Hemostats, straight* (2): 5", 6"
Hex driver blades (9): .050-3/16"
Hex key sets (2): inch; metric
Knife, electrician's
Mirror, Inspection
Nutdriver blades (9): 3/16-1/2"
Oiler
Penlight w/batteries
Pliers (5): diag. cutter, 4¼"; diag. cutter, 5¼"; groove joint, 10"; long nose, 4¾"; long nose with cutter, 6¾"
Pliers: retaining ring, internal/external
Pliers, locking, 5"
Punch, center, 3/32"
Punch, pin, 1/16"
Rule, stainless, 6"
Screwdrivers (12): offset ratchet, slotted/Phillips; Phillips #0 x 3", pocket clip; Phillips #1 x 3"; Phillips #2, stubby; Phillips #2 x 4"; slotted, 3/32 x 3" pocket clip; slotted, 1/8 x 4"; slotted, 1/8 x 8"; slotted, 3/16 x 3"; slotted, 1/4", stubby; slotted, 1/4 x 4"; slotted, 5/16 x 6"
Screwdriver set, jeweler's, 7 pc.
Screwstarter, Phillips/slotted
Scissors
Socket set, 1/4" drive, 14 pc.
Solder aid, fork and brush
Soldering iron
Spring hooks (2): pull; push
Tester, outlet
Tweezers, reverse action
Wire crimper/stripper
Wire stripper/cutter, 16-26 AWG
Wrenches, adjustable (2): 4, 8"
Wrench set, ignition, 8 pc.
Tool case with pallets

JTK-75WIM also includes:
Hex driver blades (7); 1.27 - 5mm
Nut driver blades (12); 3 - 11mm
Punch (2), pin; 1mm, 3mm
Socket set (9); 4 - 12mm
Wrench set, open end (8); 4 - 9mm



JTK-75WIM JTK-75RL





Optional divider system for JTK-75RL helps keep tool box organized

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-7500
Medical Equipment Tool Kits

➥ **Inch or inch/metric kits designed for Bio-medical Technicians**

JTK-7500 is a basic kit in a single-sided Cordura® Plus case with two removable pallets (#9 and #10). There are three outside flapped pockets for extra storage. One pocket measures 15 x 11 x 2" and two pockets measure 7½ x 11 x 2".

JTK-7500DBL is a double-sided case which contains the same tools as the JTK-7500 plus a third pallet filled with metric tools (#11) and a portfolio pallet (#8). The double-sided case has two individual tool compartments and also features three outside pockets. D-ring attached for optional shoulder strap. There are three outside flapped pockets for extra storage. One pocket measures 15 x 11 x 2" and two pockets measure 7½ x 11 x 2". See page 50-51 for other available cases and pallets.



The JTK-7500 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

90 tools in all:
File, needle (3)
Handle, 4⅛"
Hemostat, 5"
Hex key set, ball end (8): .050-5/32"
Knife, mini-utility
Mini-maglite
Mirror/magnetic retriever
Nutdriver blades (7): 3/16-7/16"
Pliers (4): diag. cutter, 5¼"; groove joint, 7"; diag. cutter, 4¼"; needle nose, 6½"
Receptacle tester
Rule, stainless steel, 6"
Scissors, electrician's
Screwdriver set, jeweler's, 7 pc. slotted/Phillips
Screwdriver, Phillips/slotted (2): offset ratchet; stubby, 2-in-1
Screwdrivers, Phillips (3): #0 x 3"; #1 x 6"; #2 x 4"
Screwdriver, slotted, (3): 3/32 x 3"; 3/16 x 6"; 1/4 x 4"
Screwstarters (2): .102 x 6"; 9/64 x 6"
Scribe, machinist's, 3 points
Soldering iron
Soldering iron cover
Spring tool, combination push/pull
Tape measure, 10'/3m
Trimpot tool
Tweezers, boley style
Wire stripper, 16-26 AWG
Wrench, adjustable, 6"
Wrench set, inch (7): 13/64-3/8"
Zipper tool case

JTK-7500DBL also includes:
Handle, 3⅛"
Hex key set, metric (6): 1.5-5mm
Nutdriver blades (8): 4-9mm
Screwdriver set, jeweler's, 4 pc. metric
Wrench set (8): 4-9mm





QC Clip design makes pallet removal fast and easy

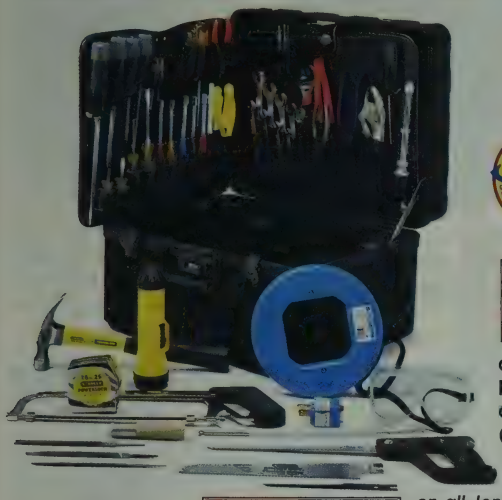
Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-75PL	Inch Bio-Medical Technician's Kit	Monaco	1	17¾ x 12¾ x 7"	23	Individual	$615	$566	377-856	$175
JTK-75WIM	Inch/MM Bio-Medical Tech's Kit	Super Tough	8	17¾ x 14½ x 9¼"	25	Side	740	676	377-964	215
377-666	Optional Divider System*	–	–	–	–	–	20	–	–	–
JTK-7500	Inch Medical Equipment Kit	Single Gray Cordura	13	15¼ x 10¾ x 3"	12	Quick Change	350	322	216-700	90
JTK-7500DBL	Inch/MM Medical Equipment Kit	Double Gray Cordura	14	15¼ x 10¾ x 6"	17	Quick Change	470	432	216-701	159
216-252	Optional Black Shoulder Strap**	–	–	–	–	–	10	9	–	–

*Sold only **For JTK-7500 series kits

JTK®-51
Master Telecom Installer's Kit

For Prices & Specs - See bottom of page!

- Installer's certification program selected tools
- Install racks, blocks, panels, mounts and cable



ORIGINAL JTK JENSEN DESIGN

3 year Warranty on all Jensen Polyethylene cases (see page 7)

Lifetime Guarantee *on all Jensen brand hand tools*

The JTK-51 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

55 tools in all:
Drill, push, with bits
File set, 3 pc.
Fish tape, 50' steel
Flashlight
Goggles
Hacksaw, heavy-duty
Hammer, straight claw
Handle, file
Icepick scribe
Knife driver
Nutdrivers (5): 1/4, 5/16, 3/8, 7/16, 1/2"
Pickup tool, 13 1/2"
Pliers (3): chain nose with cutter, 6"; diag. cutter, 5"; groove joint, 10"
Pliers, lineman's, 9 1/4"
Pliers, slip joint, 6"
Pliers, locking, 10"
Punch, center, 3/32"
Punches (2): pin, 1/16"; pin, 1/8"
Reamer, handled, 7 1/2"
Saw, 3 pc. with handle
Screwdrivers, Phillips (4): pocket; #2 stubby; #1 x 3"; #2 x 4"
Screwdrivers, slotted (6): pocket; 1/4" stubby; 3/16 x 6"; 1/4 x 4"; 5/16 x 6"; 3/8 x 8"
Screwstarter, double-ended
Tape measure, 25' x 1"
Tester, receptacle
Wire crimper/stripper
Wrenches, adjustable (2): 4", 8"
Wrench set, combination (8): 1/4 - 11/16"
Tool case with pallet



23-473
Enhancement Kit

Optional Enhancement Kit includes a cable cutter, Paladin three blade coaxial cable stripper, Jensen 110 punch down tool, tone generator, tone tracer and crimper frame with RJ-11, RJ-45, BNC 58, 59, 62 die sets and pallet. **Pallet** is also available without tools.

JTK®-45
Deluxe Telecom Installer's Kit

- Install, configure, wire CPE
- Outside pockets hold equipment, documents

These quality tools fill the needs of technicians installing communication devices in the field. Access, prep wires, terminate and dress cabling. Case holds toner, line aid, transparent pockets to see consumables/small parts.

Durable Cordura case contains three outside pockets: 13 x 10 1/2 x 1 1/2", 5 x 2 1/4 x 12" and 5 x 2 1/4 x 10". Metal D-rings built into web-strap handles for optional shoulder strap.

The JTK-45 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

41 tools in all:
Cable cutter, 8"
Can wrench
Hemostat, straight, 6"
Hex key set, fold-up (9), .050-3/16"
Knife-driver, electrician's
Pliers (2): chain nose with cutter, 6"; diagonal cutter, 5"
Pliers (2), shear cutter, flush; insulation skinner, 6"
Probe pic
Scissors, strip-jaw, electrician's
Screwdrivers (4): Phillips #1, #2; slotted 5/16 x 4"; cabinet slotted 3/16 x 6"
Screwdriver, Phillips, pocketclip, #0
Screwdriver, slotted, pocketclip, 1/8"
Screwstarter, double-ended, Phillips/slotted
Socket set, 1/4" drive, 14 pc.
Wire stripper, stranded 16-26 AWG
Wrench, adjustable, 6"
Zipper Case

See Our Termination Kits on p. 173-175

ORIGINAL JTK JENSEN DESIGN



Shown with Optional Equipment.
Telecom Test Equipment, Tools and Accessories Begin on Page 196

Cat. No.	Description	Case Style	Style (Ref. Pg. 54-55) No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-51	Master Telecom Installer's Kit	X-tra Rugged Rota-Tough™	7	17 3/4 x 14 1/2 x 10"	34	Side	$595	$547	377-051	$205
23-473	Enhancement Kit with Tools	–	–	–	5	–	355	327	–	–
23-472	Enhancement Pallet only	–	–	–	2	–	23	21	–	–
JTK-45	Deluxe Telecom Installer's Kit	Single Black Cordura	–	15 x 10 1/2 x 2"	9	Fixed	260	239	216-335	85
216-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

*For JTK-45 only

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JTK®-53

Deluxe Communications Kit

NEW

- Jensen's most versatile communications kit
- Choose from three case styles

The JTK-53 is our most versatile tool kit for the installation and maintenance of communications equipment. Service all your voice and data equipment including phone switches and data networks. Features large clear parts pocket on back of pallet (not shown).

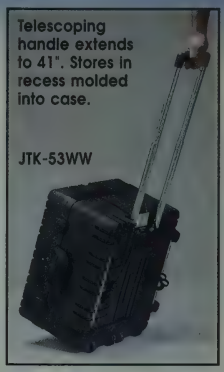
ORIGINAL JTK® JENSEN DESIGN

JTK-53WW



JTK-53ST





3 Year Warranty on all Jensen Polyethylene cases (see page 7)

See Our Termination Kits on pp. 173-175

Suggested Optional Equipment

Cat. No.	Description	See Page	Each
685-002	RG59/6 Ratcheting Crimp Tool	144	$52.00
600-360	RJ-11/RJ-45 Modular Crimp Tool	169	49.95
414-004	RJ Jack Identifier	114	32.95
454-002	PocketToner Termination Tester	144	72.95
759-053	Hand Wrapping Tool	191	53.00
759-043	Hand Unwrapping Tool	191	25.95
63-013	Sheath Ringer	216	27.50
JTM-105	Jensen JTM-105 DMM	78	219.00
JTS-30	Telecom Test Set	195	150.00

All JTK-53 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

114 Tools in all:

Burnisher, pocket
Cable cutter, data cable
Cable stripper, coax/twisted pr.
Drill 3/8" corded keyless
Drill bit set, 13 pc.
Electrical tape
Fish tape, 50' steel
Flashlight
Hammer, claw
Handle, driver blades (2): 3 1/8, 4 1/8"
Hexdriver blades (9): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"
Knife, electrician's
Mirror, inspection
Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
Pick up tool, 4-prong
Pliers (7): long nose w/cutter, 6 1/2"; miniature long nose, 4 7/8"; diagonal cutter, 4 3/8"; diagonal cutter, 5 1/4"; groove joint, 10"; retaining ring, external/internal; lineman's, 9"
Probe pick
Punch, center 3/32"
Punch, pin (2): 1/16, 1/8"
Punch-down tool w/66 and 110 blades
Rule, stainless steel 6"
Safety glasses
Scissors, electrician's
Scribe, ice pick type 8"
Screwdriver, offset ratchet, Phillips/slotted
Screwdriver, Phillips (5): #0x3" pocket clip, #0x2", #1x3", #2x4", #2x1 1/2" stubby
Screwdriver, slotted (6): 1/8 x3" pocket clip, 1/8 x 8", 3/16 x 3", 5/16 x 6", 1/4 x 4", 1/4 x 1 1/2" stubby
Screwdriver set, jeweler's, (7 pc.)
Socket set, 1/4" drive, (14 pc.)
Solder aid, fork and hook
Soldering iron, 115V
Solder pocket pack, 60/40
Staple gun 1/2" with staples
Tape measure 26'/8M
Tweezer, reverse-action 4"
Wire crimper/stripper
Wire stripper/cutter
Wrench, adjustable (2): 4", 8"
Wrench set, ignition (8 pc.)
Tool case with pallets

Cat. No.	Description	Case Style	(Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-53WW	Deluxe Communications Kit	Roto-Rugged "Tote"		10	17 3/4 x 14 1/2 x 10"	42	Side Hinge	$999	$919	377-495	$315
JTK-53WB	Deluxe Communications Kit	Roto-Rugged "Tote"		10*	17 3/4 x 14 1/2 x 12"	42	Side Hinge	1009	928	377-496	325
JTK-53ST	Deluxe Communications Kit	Super Tough		8	17 3/4 x 14 1/2 x 9 1/4"	32.5	Side Hinge	839	772	54-102	149

*Features heavy-duty 1/4 turn latches, spring-loaded handle and padlock hasp. Does not include combination lock.

JTK®-44

Telecom Installer's Kit

- **For telecom service technicians working in an office environment**
- **Plenty of room for optional test equipment**

This compact zipper kit contains the basic service tools essential for equipment installation, troubleshooting and repair. Includes specialty items such as wire wrapping and unwrapping tools. Ample space is provided for optional service equipment as shown.

Available in brown and black Cordura® Plus nylon cases with webstrap handles and D-rings attached for optional shoulder strap. Large outside pocket measures 12 x 10 x 2" and two smaller pockets are 6 x 10 x 2" each.





Shown with Optional Test Equipment

Suggested Optional Equipment

Cat. No.	Description	See Page	Each
23-814	Punch Down Tool	211	$39
JTS-30	Test Set	195	150
23-077	Tone Generator	211	30
23-095	Tone Tracer	211	56

See pages 193 to 219 for Telecom tools, test equipment and accessories



Optional Meters begin on page 78

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-44 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

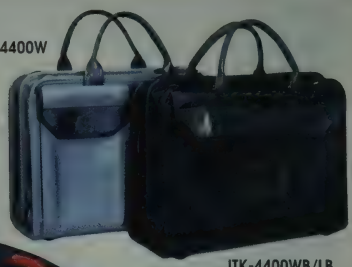
15 tools in all:
Can wrench
Hex key set, fold up
Knife, electrician's
Lamp extractor
Nutdrivers (2): 1/4"; 5/16"
Pliers (2): diagonal cutter V/W notches, 5"; long nose with cutter narrow tip, 6"
Scissors, electrician's
Screwdriver, 6-in-1
Screwdriver, slotted, 3/32 x 2"
Screwdriver, Phillips, #0, x 2
Spudger
Wire unwrapping tool, 20-26 AWG
Wire wrapping tool, 22-24 AWG
Zipper case

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-44C	Telecom Installer's Kit	Single Brown Cordura	13	13 1/2 x 10 x 2 1/2"	5 1/2	Fixed	$269	$247	989-400	$71
JTK-44BLK	Telecom Installer's Kit	Single Black Cordura	13	13 1/2 x 10 x 2 1/2"	5 1/2	Fixed	269	247	216-444	71
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–
216-548	Optional Brown Shoulder Strap	–	–	–	–	–	10	9	–	–

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JTK-4400WB Kit shown with optional DMM



JTK-4400W

JTK-4400WB/LB

See pages 50 & 51 for other pallet and case options



QC Clip design makes pallet removal fast and easy

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



JTK®-4400

Telecom Installation and Service Kits

- Available with or without test equipment
- Cordura® Plus cases feature removable pallets

Designed to meet the needs of Telecom professionals from beginner to senior level engineer. **JTK-4400LB Basic Kit** comes with all four pallets, the tools shown in pallet #5 plus parts box in pallet #7. **JTK-4400W Deluxe Kit** also offers all the tools and equipment in pallet #6 (excluding the optional Jensen meter). The meter pocket in pallet #6 measures up to 8 x 3 7/8 x 1 3/4", with room for a butt set in the outside pocket. The Cordura Plus case features heavy-duty padded web strap handles and D-rings attached for optional shoulder strap. Three outside pockets provide additional storage space, one measures 15 x 11 x 2" and two are 7 1/2 x 11 x 2".

Suggested Optional Equipment

Cat. No.	Description	See Page	Each
JTS-30	Telecom Butt Set	195	$150
JTM-105	Jensen JTM-105 DMM	78	219
600-700	Jensen Crimp Tool Frame	167	42
600-556	RJ-11 Die Set	171	36
600-559	RJ-45 Die Set	171	36

The JTK-4400 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

Basic Kit includes 32 tools in all:
Extension blade, 4"
Handle, driver (2): 3 1/8"; 4 1/8"
Hex driver, security type, 5/32 x 5"
Hex key, set, fold-up, 5/64-1/4"
Knife driver, electrician's
Knife with hook blade
Mirror/magnetic retriever tool
Nutdriver blade (5): 1/4; 5/16; 3/8; 7/16; 1/2"
Parts box, 6 compartments
Pliers (2): Chain nose with cutter, 6 1/2"; diagonal cutter, 5"
Scissors, electrician's
Screwdriver blades (3): Phillips #1, #2; pocket #0 x 3"
Screwdriver blades (3): slotted 3/16; 1/4"; pocket 3/32 x 3"
Spudger (2)
Tester, phone line
Wire stripper, 20-30 AWG
Wrap/unwrap tool
Wrench, adjustable, 6"
Zipper Tool Case

These tools also included in JTK-4400W and JTK-4400WB
Cable Cutter
Lamp Extractor
Modular Adapter, 6 position
Punch Down Tool, 66 block
Tone Generator (23-077)
Tone Tracer (23-095)

†NSN: Call 800-426-1194 for current number

Cat. No.	Description	Case Style	(Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
† JTK-4400W	Deluxe Telecom Installation Kit	Double Gray Cordura		14	15 x 11 x 6"	14	Quick Change	$570	$524	216-440	$160
JTK-4400WB	Deluxe Telecom Installation Kit	Double Black Cordura		14	15 x 11 x 6"	14	Quick Change	570	524	216-441	160
JTK-4400LB	Basic Telecom Installation Kit	Double Black Cordura		14	15 x 11 x 6"	13	Quick Change	360	331	216-441	160
216-432	Optional Black Shoulder Strap	–		–	–	–	–	10	9	–	–

JTK®-46
Communications Maintenance Kit

- Available with/without test equipment
- Access, test and repair phone equipment, modems, FAX, switches and distribution systems

The JTK-46 is packed full of tools needed to maintain a variety of communications equipment. Available with or without test equipment, choose the kit that's right for you.

Tuff Cordura™ case has three exterior pockets providing room for spare parts, extra equipment and documents. Inside storage pocket may be used for storing test leads and small parts. D-rings attached for optional shoulder strap.



JTK-46CR/W JTK-46BLK/WB



JTK-46WB
Communications Kit with Test Equipment

Buy kits with test equipment that include these items and save:
See JTK 46W and JTK46WB below.



23-814 & 23-110
Punch-Down Tool w/110 Blade (pg. 211)



JTS-30
Telephone Test Set (pg. 195)



23-077
Tone Generator (pg. 211)



23-095
Tone Tracer (pg. 211)

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-46 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

60 tools in all:
Extension, driver blades, 4"
Handle, driver blades (2): 3 3/8, 4 1/8"
Hemostat, straight, 5"
Hex key set, fold-up (9), 5/64 - 1/4"
Insertion/extraction tool
Knife-driver, electrician's
Mirror/magnetic retriever
Modular adapter, 6 wire
Modular phone line tester
Nutdriver blades (7): 3/16, 1/4, 5/16, 1/32, 3/8, 7/16, 1/2"
Penlight w/batteries
Pliers (5): mini chain nose, 4 3/4"; diag. cutter, 5 1/4"; mini diag. cutter, 4 1/4"; groove joint, 6"; long nose, 6"
Probe pic
Rule, SS, inch/metric, 6"
Scissors, strip-jaw, electrician's
Screwdriver blades (6): Phillips, #0; #1, #2; slotted, 1/8, 1/4, 3/16"
Screwdriver, Phillips pocketclip, #0
Screwdriver, slotted pocketclip, 3/32"
Screwdriver, ratchet, offset Phillips/slotted
Screwdriver, 2-in-1
Screwdriver set, jeweler's (7)
Screwstarter, double-ended, Phillips/slotted
Spring tool, combination
Spudger
Trimpot adjuster
Tweezers, reverse-action
Wire strippers (2): solid, 22-30 AWG; stranded, 16-22 AWG
Wrench, adjustable, 6"
Wrist strap
Zipper Case

These tools also included in JTK-46W and JTK-46WB:
Punch Down Tool with 110 Blade
Test Set
Tone Generator
Tone Tracker

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-46CR	Communications Kit w/o Test Equip.	Single Gray Cordura	13	16 1/8 x 11 1/2 x 4"	10	Fixed	$340	$313	216-046R	$85
JTK-46BLK	Communications Kit w/o Test Equip.	Single Black Cordura	13	16 1/8 x 11 1/2 x 4"	10	Fixed	340	313	216-046BLK	85
JTK-46W	Communications Kit w/Test Equip.	Single Gray Cordura	13	16 1/8 x 11 1/2 x 4"	10	Fixed	617	568	216-046R	85
JTK-46WB	Communications Kit w/Test Equip.	Single Black Cordura	13	16 1/8 x 11 1/2 x 4"	10	Fixed	617	568	216-046BLK	85
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

JTK®-2100 Network Manager's Kit

- Available with/without test equipment
- Choose Cordura® Plus zipper case or Monaco attaché case, both with removable pallets

Cordura Plus Case (shown below) provides plenty of room for your tools, computer, test equipment and necessary business materials. Features combination locks and padded web handle. Center compartment (17 3/4 x 12 1/2 x 5 1/2") carries laptop computer on optional pallet. Padded end pockets measure 10 x 6 x 4". External zipper pocket measures 10 x 17 3/4". D-rings attached for optional shoulder strap.



JTK-2100W Shown with optional Meter and Test Set





JTK-2100WM

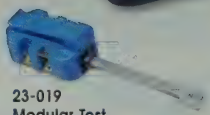
Optional divider system helps keep your toolbox organized

Monaco Case (shown above) offers added protection and security when traveling. Additional room for optional test equipment and accessories.

See Our Fiber Kits on p. 131

Buy kits with test equipment that include these items and save:

See JTK-2100WM & JTK-2100W below



23-019 Modular Test Adapter (pg. 198)



23-814 & 23-110 Punch-Down Tool/110 Blade (pg. 211)



23-077 Tone Generator (pg. 211)



23-095 Tone Tracer (pg. 211)

The JTK-2100 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

56 tools in all:
Cable cutter
Extension, 4"
Handle, 4 1/8"
Hemostat, straight, 6"
Hex key set, BP, 8 pc., .050-5/32"
Hex key set, BP, 6 pc., 1.5-5mm
Insert/extraction tool, D-sub
Knife, light-duty
Mini-maglite with batteries
Mirror/magnetic pick up tool
Nutdriver blades (4): 3/16-3/8"
Phone line tester
Pliers (5);
long nose with cutter, 6 1/2";
long nose, 4 3/4"; diagonal cutter, 4 1/4";
slip joint, 6"; locking, 5"
Receptacle tester
Scissors, electrician's
Screwdriver, 2-in-1
Screwdriver, 4-way, pocket clip
Screwdriver, jeweler's set, 7 pc.
Screwdriver, security, 10-in-1, Torx/tamper Torx
Screwdrivers (7); slotted 3/32 x 3", 1/8 x 4", 3/16 x 8", 1/4 x 4"; Phillips #0 x 3", #1 x 6", #2 x 4"
Screwstarter, 6" double end
Tape measure, 12'/3.5m
Trimpot tool
Wire stripper, 16-26 AWG
Wrench, Adjustable, 6"
Wrist strap, ESD
Tool case

These tools also included in JTK-2100W/JTK-2100WM:
Modular adapter, 6 wire
Punch down tool w/110 blade
Tone generator
Tone tracer

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-2100LM	Network Manager's Kit without Test Equipment	Monaco	1	17 3/4 x 12 3/4 x 5"	17	Individual	$470	$432	377-210	$175
JTK-2100WM	Network Manager's Kit with Test Equipment	Monaco	1	17 3/4 x 12 3/4 x 5"	18	Individual	610	561	377-210	175
377-007	Optional Divider System for Monaco Case	–	–	–	–	–	20	–	–	–
JTK-2100L	Network Manager's Kit without Test Equipment	Triple Cordura	15	17 3/4 x 12 3/4 x 11"	14	Quick Change	480	442	216-100	195
JTK-2100W	Network Manager's Kit with Test Equipment	Triple Cordura	15	17 3/4 x 12 3/4 x 11"	15	Quick Change	620	570	216-100	195
216-113	Optional Computer Pallet*	–	–	–	–	–	19	17	–	–
216-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

*For JTK-2100L and JTK-2100W

JTK®-5 Network Kit

For Prices & Specs - See bottom of page!

- Available w/wo test equipment
- Roomy case holds tools, equipment and connectors

Contains a strong selection of networking hand tools. Spacious case provides additional pockets for cutters, strippers, crimpers and connectors. Clear pockets and parts boxes allow easy inventory of consumables. Rugged Cordura® Plus case has three padded outside pockets for test equipment; one is 10 x 7 x 2" and two are 10 x 4 x 2", plus a large 16 x 11 x 2" pocket on the opposite side. D-rings are attached for optional shoulder strap.



Shown with Optional Test Equipment



JTK-5 JTK-5B/5WB

The JTK-5 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

45 tools in the JTK®-5:
Adapter, modular, 6-wire, in-line
Extension blade, 4"
Gender changers, 25-Pin (2) F/F; M/M
Handle, driver blades, (2): 3 1/8, 4 1/8"
Hex key set (9): 5/64-1/4"
Insertion/extraction tool
Knife
Mirror/magnetic retriever
Nutdriver blades (3), 3/16; 1/4; 5/16"
Parts boxes (3)
Penlight w/batteries
Pliers,(3): chain nose with cutter, 6 3/4"; mini chain nose, 4 3/4"; mini diagonal cutter, 4 1/4"
Pliers, locking, curved, 5"
Probe pic
Scissors, electrician's strip jaw
Screwdriver blades, Phillips (3): #0, #1, #2
Screwdriver blade, slot (3): 1/8, 1/4, 3/16"
Screwdriver, pocketclip (2): Phillips, #0, slotted 3/32"
Tester, receptacle
Torx blades (3): T10, T15, T20
Wire stripper, 16-26 AWG
Wrench, adjustable 6"
Tool Case

These tools included in the JTK®-5WB:
Punch Down Tool w/110 blade
Tone Generator (Jensen 23-077)
Tone Tracer (Jensen 23-095)
Twisted Pair/Coax Stripper

Suggested Options

Cat. No.	Description	See Page	Each
559-070	MicroScanner Pro	114	$399.00
759-010	Wire Wrap Tool	190	105.00
497-144	4-Way Indent Crimp Tool	167	77.00
600-360	Modular Crimper	169	49.95
414-004	RJ Jack Identifier	114	32.95
JTS-45	Test Set	195	189.00

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-2900 Network Support Kit

See Our Fiber Kits on p. 131

- Contains a comprehensive selection of top quality hand tools to meet your most demanding support needs
- Black ballistic nylon case gives a professional look

This handsome tool case features a large outer flap with latching buckles and an extra padded foam grip handle. It is extremely versatile, rugged, water resistant and easily cleaned. Solder iron pocket is made of heat resistant Nomex. D-rings are attached for optional shoulder strap.

JTK-2900 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

60 tools in all:
Alignment tool
Contact insert/extract tool
DIP inserter
DIP extractor
Extension, 4"
Handle, 4 1/8"
Hemostat, 5"
Hex keys, fold-up, inch (9): .050-3/16"
Hex keys, fold-up, metric (7): 1.5-6mm
Knife, electrician's
Mini-maglite
Nutdriver blades (6), 3/16-3/8"
Pliers, (5): locking, 5"; diag. cutter, 4"; diag. cutter, 5"; long nose w/cutter, 6 1/2"; groove joint, 7"
Rule, stainless steel, 6"/15cm
Scissors, electrician's
Screwdriver, offset ratchet, slotted/Phillips
Screwdrivers (6): Phillips #0 x 3", #1 x 6", #2 x 4"; slotted 3/32 x 3", 3/16 x 6", 1/4 x 4"
Telephone outlet tester
Tamper-Torx blades (3): TT8, TT10, TT15
Torx key, fold-up (8) T6-T25
Wire stripper, 16-26AWG
Wrench, adjustable, 6"
Wrist strap, grounding
Zipper tool case



QC Clip design makes pallet removal fast & easy





See pages 50-51 for additional case and pallet configurations.

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-5	Network Kit	Double Gray Cordura	14	16 1/2 x 12 1/2 x 5"	13	Fixed	$339	$312	216-005	$130
JTK-5B	Network Kit	Double Black Cordura	14	16 1/2 x 12 1/2 x 5"	13	Fixed	339	312	216-500	130
JTK-5WB	Network Kit w/Test Equipment	Double Black Cordura	14	16 1/2 x 12 1/2 x 5"	13	Fixed	485	446	216-500	130
JTK-2900	Network Support Kit	Single Black Cordura	–	15 x 11 x 2 1/2"	12	Quick Change	335	308	216-030	95
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

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JTK®-5000
Network & PC Maintenance Kit

Specifically designed for those who require a hard side case with a large kit for installing and maintaining networks and computers. Offers a large selection of basic hand tools and has an optional pallet full of cable specific tools. The case bottom is divided into three sections, two are foam-filled.



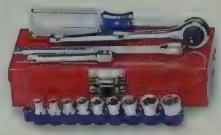


23-473 Enhancement Kit

Optional enhancement kit includes a cable cutter, Paladin 3 blade coaxial cable stripper, Jensen 110 punch tool, tone generator, tone tracer and crimper frame with RJ-11, RJ-45, and BNC RG-58, 59, 62 die sets.

LAN products, test equipment and accessories begin on page 78

3 Year Warranty on all Jensen Polyethylene cases (see page 7)









See Our Fiber Kits on p. 131

The JTK-5000 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

87 tools in all:
Coax cutter
Extension, driver blade, 4"
Handle, 4 1/8"
Hemostat, 6"
Hexdriver, security, 5/32 x 5"
Hex Key set, inch, 12 pc.
IC Insertion tool, CMOS
Key cap puller
Knife, pocket
Lead former
Magnifier w/light, 10-power
Mirror/magnetic retriever
File set, needle, (3)
Nutdriver blade set (7): 3/16 - 1/2"
Parts boxes (2)
Parts holder, 3-prong
Penlight w/ batteries
Phone line
Pliers (3): chain nose with cutter, 6 3/4"; chain nose, mini, 4 3/4"; diagonal cutter, 4"
Pliers, locking, 5"
Probe-pic
Scissors, electrician's
Screwdriver, 2-in-1
Screwdriver, jeweler's set, 7 pc.
Screwdriver, offset ratchet, slot/Phillips
Screwdriver, Phillips (3): #0 x 2 1/2", pocket clip; #1 x 6"; #2 x 4"
Screwdriver, slotted (4): 1/4 x 4"; 1/8 x 4"; 3/16 x 8"; 3/32 x 2", pocket clip
Screwholding drivers (3): .102 x 6"; 3/16 x 6"; 9/64 x 6"
Socket set, 1/4" drive, 14 pc.
Spring tool, combination
Stripper/cutter/crimper
Stripper/cutter
Torxdrivers, security (3): T10; T15; T20
Trimpot tool
Tweezer, Boley-Style
Wrench, adjustable, 6"
Wrist strap, grounding
Tool case with pallet

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-5000	Network & PC Maint. Kit	Rota-Tough™	6	17 3/4 x 14 1/2 x 8"	26	Winged	$625	$575	377-101	$235
23-473	Enhancement Kit	–	–	–	5	–	355	327	–	–
23-472	Enhancement Pallet Only	–	–	–	2	–	23	21	–	–

JTK®-2000
Field Service Kit

- Available in inch or metric versions
- Deep Rota-Tough™ Case features three compartments in bottom of case

3 Year Warranty on all Jensen Polyethylene cases (see page 7)

For Prices & Specs - See bottom of page!







JTK-2000

The JTK-2000 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

99 tools in all:
Contact insertion/removal tool RS-232
DIP insertion tool
DIP removal tool
Extension blade, 4"
Feeler gauge, inch/metric
Files, needle (3): flat; round; Tri-Square
Handle, regular, 4 1/8"
Handle, T-style
Hemostat, 6"
Hex driver blades, ball-end (7): .050 - 5/16"
Knife, precision
Lead former
Magnifier with light
Mirror, magnetic retrieval tool (telescoping)
Nutdriver blades (7): 3/16 - 1/2"
Parts box
Parts holder, 3 prong
Penlight, w/batteries
Pliers (6): diagonal, 5 1/4"; diagonal, thin, 4 1/4"; groove joint, 7"; mini long nose, 4 3/4"; needle nose, 6"; retaining ring, internal/external
Pliers, locking, LN 6"
Mini Ratchet set, 16 pc. (hex, Phillips/slotted)
Rule, stainless steel, 6"/15cm
Scissors, electrician's
Screwdriver set, jeweler's, 7 pc. (slotted/Phillips)
Screwdrivers, Phillips (3): #0 x 2"; #1 x 6"; #2 x 4"
Screwdrivers, slotted (6): 3/32 x 2"; 1/8 x 8"; 1/8 x 4"; 1/4 x 4"; 5/16 x 4" 2-in-1
Screwstarter, Phillips/slotted, 9"
Socket set, 1/4" drive, 14 pc.
Spring tool, push/pull
Tape measure, 10'/3m
Telephone line tester
Torx Blades (2): T10, T15
Trimpot tool
Tweezers, reverse action
Wire crimper/stripper
Wire stripper, 16-26 AWG
Wrenches adjustable (2): 4 and 8"
Tool case with pallets

Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-2001
Technician's Service Kit

- Choice of slimline poly attaché or Cordura® Plus zipper case

Switch the same tool pallets between soft and hard cases as the need arises. Cordura case has D-rings attached for optional shoulder strap.



QC Clip makes removing pallets fast and easy



The JTK-2001 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

86 tools in all:
DIP extraction tool
DIP insertion tool
Extension blade, 4"
Files, needle: flat, square, tri.
Handle, regular 4 1/8"
Hemostat, straight, 6"
Hex key set, ball-end, inch, 8 pc.
Insert/extract tool #20 pin/socket
Knife, pocket electrician's
Mirror/magnet, telescoping
Nutdriver blades (9): 3/16-1/2"
Parts box
Penlight w/batteries
Phone outlet tester
PLCC extractor
Pliers (7): mini chain nose 4 3/4"; diag. cutters 4, 5"; groove joint 4"; locking jaw 5"; needle nose 6"; slip joint 6"
Rule, stainless steel, 6"/15cm
Scissors, electrician's
Screwdriver, 2-in-1
Screwdriver, jeweler's, 7 pc.
Screwdriver, offset ratchet, Ph/Sl
Screwdrivers (8): Phillips #0 x 3", #1 x 6", #2 x 4"; slotted 3/32 x 3", 1/8 x 8", 3/16 x 8", 1/4 x 4", 5/16 x 6"
Screwstarter, Phillips/slotted
Socket set, 1/4" drive, 14 pc.
Stripper, 16-26AWG stranded
Stripper/cutter/crimper
Tape Measure, 12'/3.5M
Torx driver, (4): T8-10-15-20
Trimpot tool
Tweezer, reverse action
Wrench, adjustable,6"
Wrist strap, static
Tool case with pallets





JTK-2001Z JTK-2001S

†NSN: call 800-426-1194 for current number

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-2000	Field Service Kit	Monaco™	1	17 3/4 x 12 3/4 x 5"	19	Individual	$520	$469	377-325	$170
JTK-2000MM	Metric Field Service Kit	Monaco™	1	17 3/4 x 12 3/4 x 5"	21	Individual	539	496	377-325	170
JTK-2001S	Technician's Service Kit	Slimline Poly Attaché	3	17 3/4 x 12 3/4 x 5"	21	Individual	499	459	54-101	165
JTK-2001Z	Technician's Service Kit	Single Cordura	13	17 3/4 x 12 3/4 x 5"	18	Quick Change	439	404	216-201	105
216-432	Optional Black Shoulder Strap*	–	–	–	–	–	10	9	–	–

*for JTK-2001Z only

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JTK®-34 Technician's Kit

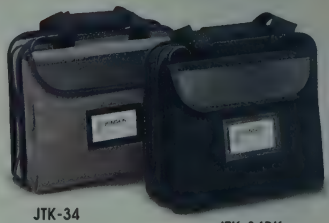
➥ Inch and metric tools ➥ Rugged Cordura® Plus cases

Contains both inch and metric professional service tools to cover most PC service applications, with room for optional DMM. Case also features three external pockets for larger accessories: one is 11 x 9 x 2" and two are 5½ x 9 x 2". Web strap handles with soft rubber grips and D-rings for optional shoulder strap.

For Prices & Specs - See bottom of page!



Shown with optional meter (See page 78)



JTK-34 JTK-34BK

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-34 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

52 tools in all:
Alignment tool
BP hex keys, inch (11) .050 - 1/4"
BP hex keys, metric (7) 1.5-6mm
Extension blade, 4"
Files, needle (3)
Handles (2) 4 1/8, 3 1/8"
IC insertion tool
IC extraction tool
Nutdriver blades, inch (4) 3/16, 1/4, 5/16, 3/8"
Nutdriver blades, metric (2) 5mm, 7mm
Parts holder, 3-prong
Penlight w/batteries
PLCC removal tool
Pliers (3) diagonal cutter; 4 1/4", mini long nose; 4 3/4", ignition,#5"
RS232 contact insert/removal tool
Screwdriver blades (6) Phillips #0, #1, #2; slotted 1/8, 3/16, 1/4"
Screwdrivers (2) pocket clip, #0 x 3" Phillips, 3/32 x 3" slotted
Trimpot adjustment tool
Torx screwdrivers w(3), T8, T10, T15
Wrench, adjustable 4"
Zipper case

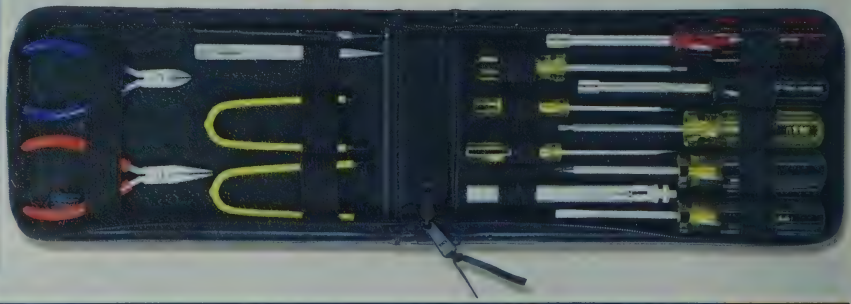
Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-4V Mini-Kit

➥ Everything needed for minor PC service/repair
➥ Compact - lightweight - easily transported - 2½ lbs.

The JTK-4 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See page 4)

15 tools in all:
IC extractor
IC inserter
Nutdriver (2): 3/16, 1/4"
Penlight w/ batteries
Pliers (2): diagonal cutter 4 1/4", long nose 4 3/4"
Screwdriver, Phillips (2): #0, #1
Screwdriver, slotted (2): 1/8, 3/16"
Torx® Drivers (2): T10, T15
Trimpot tool
Tweezers, self-locking
Tool case



†NSN: call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
	JTK-34	Technician's Kit	Single Gray Cordura	13	11½ x 10 x 2½"	5½	Fixed	$210	$193	54-034	$79
	JTK-34BK	Technician's Kit	Single Black Cordura	13	11½ x 10 x 2½"	5½	Fixed	210	193	54-255	79
	216-432	Optional Black Shoulder Strap*	–		–	–	–	10	9	–	–
†	JTK-4V	Mini-Kit	Zipper Case	–	10 x 6 x 2"	2½	Fixed	75	69	216-004	15

*For JTK-34 Series

JTK®-6100 Support Kit

- Service PCs, workstations, networks
- Long life Cordura® Plus case

Contains over 50 of the most popular PC service tools. Three external pockets for extra storage. One is 12 x 10 x 2" and two are 6 x 10 x 2". Web strap handles with D-rings attached for optional shoulder strap.



For Prices & Specs - See bottom of page!



Shown with Optional Meter

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



The JTK-6100 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

53 tools in all:
Alignment Tool (2)
Files, Needle (3)
Handles (2): 4 1/8, 3 1/8"
Hex Keys, fold-up (9) .050 - 3/16"
Hemostat, 3 1/2" straight
Knife, pocket
Mirror/magnet retriever
Nutdriver Blades (7): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8"
Parts box
Parts holder, 3-prong
Penlight w/batteries
Pliers, Ignition, 5"
Pliers (4): mini-diagonal, 4"; mini-chain nose, 4 3/4"; groove joint, 7"; needle-nose, 6"
Screwdriver blades (6): Phillips #0, #1, #2; slotted 1/8, 3/16", 1/4"
Screwdriver, 3/32 x 3" with clip
Screwdriver, #0 x 3" with clip
Screwstarter, double, 6"
Trimpot adjustment tool
Torx set, fold-up (7), T6-T20
Wire stripper/cutter
Wrench, adjustable 4"
Tool case

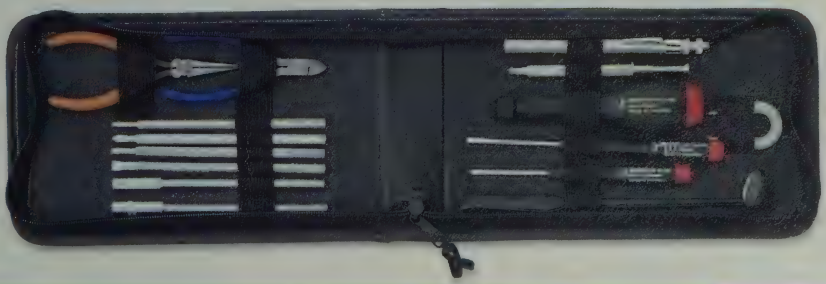
Lifetime Guarantee *on all Jensen brand hand tools*

JTK®-4SD Mini-Kit with ESD Tools

A revised version of our ever popular JTK-4V. This kit incorporates ESD drivers and pliers as well as key cap puller; all the basics needed for minor PC service and repair.

The JTK-4SD Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

15 Tools in all:
Handle, driver, ESD
Key cap puller
Mirror, plastic inspection
Nutdriver blades (2), 1/4", 3/16"
Parts holder
Penlight w/batteries
Phillips blades (2), #0, #1
Pliers, diagonal 4 1/4"
Pliers, long nose 4 3/4"
Slotted blades (2), 3.0mm, 6.0mm
Torx blades (2), T10, T15
Tool case, vinyl



Cat. No.	Description	Case Style	(Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
JTK-6100	Support Kit	Single Blue Cordura		13	13 1/2 x 10 x 2 1/2"	7	Fixed	$249	$229	54-610	$70
JTK-6100BLK	Support Kit	Single Black Cordura		13	13 1/2 x 10 x 2 1/2"	7	Fixed	249	229	216-610BLK	70
JTK-4SD	Mini-Kit with ESD Tools	Single Black		–	10 x 6 x 2"	3	Fixed	85	78	216-004SD	15
216-432	Optional Black Shoulder Strap*	–		–	–	–	–	10	9	–	–

*For JTK-6100 Series

JENSEN TOOLS INC.
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Fax Lines: 800-366-9662 • 602-438-1690



Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95

JTK®-50

Compact Technician's Kit

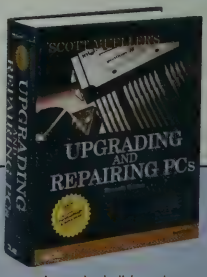
- Basic single or expanded double sided Cordura® Plus cases
- Most needed tools for maintaining, upgrading and repairing PCs and workstations

Single Sided Case features three external pockets: one is 10½ x 9 x 2" and two are 5½ x 9 x 2".

Double Sided Case also features three external pockets: one is 13 x 10 x 2" and two are 6½ x 10 x 2". Case has two main sections holding tools on one side and diagnostic equipment such as loop plugs, ROMs and test boards on the other. It also has a briefcase section with dividers and pockets.

The JTK-50 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

JTK-50/50B includes 20 tools in all:
Extractor, DIP
Inserter, DIP
Insertion/extraction tool, RS-232
Mirror, inspection
Nutdrivers (2): 5/16, 1/4"
Penlight w/batteries
Pliers, chain nose, 4¾"
Pliers, diagonal, 4"
Screwdriver, double-ended, pocket
Screwdrivers (6): Phillips #1 x 3", #0 x 3" pocket, #2 x 4"; slotted 1/4 x 4", 3/32" x 3" pocket, 5/16" x 3"
Screwdrivers, Torx, (2): T10, T15
Wire crimper/stripper
Wrench, adjustable, 4"
Cordura Plus Zipper Case



Upgrading & Repairing PCs

Find the best way to assess your system, install hardware, and troubleshoot problems. Detailed information and specifications on motherboards, processors, memory, disk drives, and every component in a PC including major peripherals. Special sections detail system capabilities and upgrade options, and trouble-shooting tips. Appendixes provide a collection of technical information, tables, charts, vendor and technical terms. The technical reference bookshelf contains more than 6000 pages of detailed technical information on CD-ROM. 1100 pages.

Cat.No.	Description	Each
58-005	Upgrading & Repairing PCs (Book and CD-ROM)	$59.99

†NSN: call 800-426-1194 for current number

	Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
†	JTK-50	Compact Technician's Kit	Single Blue Cordura	13	11½ x 10 x 2½"	5	Fixed	$175	$161	54-071	$71
	JTK-50B	Compact Technician's Kit	Single Black Cordura	13	11½ x 10 x 2½"	5	Fixed	175	161	54-014	71
	216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

JTK®-49 Workstation Kits

- Rugged single or double sided Cordura® Plus case with padded external pockets
- Quality tool selection for trouble-shooting, service and maintenance

Single Sided Case features three padded external pockets: one is 12 x 10 x 2" and two are 6 x 10 x 2".

Double Sided Case has three padded external pockets: one is 14 x 10 x 2" and two are 10 x 7 x 2".

Both cases have D-rings attached for optional shoulder strap.

CD ROM/Diskette Pallet Simply remove clipboard to install for JTK-49DBLR and JTK-49DBLRB only.



JTK-49CR JTK-49CBR JTK-49DBLR JTK-49DBLRB



JTK-49CBR
Single Sided Case

The JTK-49 Tools in boldface italic are backed by Jensen's Lifetime Guarantee (See pages 4-5)

48 tools in all:

Contact, insert/extract tool
DIP, extraction tool
Extraction tool, PLCC
Extension blade, 4"
File, needle, round
Handles, driver blades, (2): 3 1/8, 4 1/8"
Hemostats, straight, 6"
Hex blades (6): .050, 1/16, 3/32, 5/64, 7/64, 1/8"
Knife, push-button
Mirror/magnet tool
Nutdriver blades, (7): 1/4, 11/32, 3/16, 3/8, 5/16, 7/32, 9/32"
Parts holder, 3-prong
Pliers (5): diagonal cutter, 4 1/4"; long nose, 4 3/4"; diagonal cutter, 5"; groove joint 4 3/4"; locking jaw, 5"
Scissors, electrician's w/serration and strip notch
Screwdriver blades, Phillips (3): #0, #1, #2
Screwdriver, Phillips, pocket
Screwdriver blades, slotted (3): 1/4, 1/8, 3/16"
Screwdriver, offset ratchet
Screwdriver, slotted, pocket
Screwstarter, Phillips/slotted, 6"
Spudger
Telephone line tester
Screwdrivers, torx; T10, T15, T20
Trimpot tool
Wire stripper
Wrench, adjustable, 4"
Tool case, Cordura



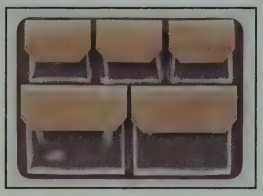
JTK-49DBLR
Double Sided Case

Combination Lock

Cat. No.	Description	Each
40-647	Lock	$5.95



Optional CD ROM/ Diskette Pallet



†NSN: Call 800-426-1194 for current number

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
† JTK-49CR	Workstation Kit	Single Blue Cordura	13	13 1/2 x 10 x 2 1/2"	8	Fixed	$305	$281	54-507R	$75
JTK-49CBR	Workstation Kit	Single Black Cordura	13	13 1/2 x 10 x 2 1/2"	8	Fixed	305	281	216-122R	75
JTK-49DBLR	Workstation Kit	Double Khaki Cordura	14	14 1/2 x 10 1/2 x 2 1/2"	12	Fixed	365	336	216-492R	135
JTK-49DBLRB	Workstation Kit	Double Black Cordura	14	14 1/2 x 10 1/2 x 2 1/2"	12	Fixed	365	336	216-492RB	135
216-249	Optional CD Rom/Diskette Pallet*	Khaki	–	–	1	–	18	17	–	–
216-249B	Optional CD Rom/Diskette Pallet*	Black	–	–	1	–	18	17	–	–
216-548	Optional Brown Shoulder Strap	–	–	–	–	–	10	9	–	–
216-432	Optional Black Shoulder Strap	–	–	–	–	–	10	9	–	–

*For JTK-49DBLR and JTK-49DBLRB

CUSTOMIZE A TOOL KIT TO MEET YOUR SPECIFIC NEEDS WITH 6 CASE STYLES TO CHOOSE FROM

JENSEN®

Simple Two-Step Process . . .

1 Select Your Tool Case

Choose between a single, double or triple sided Cordura Plus case, or our Attaché style single sided ballistic nylon case. All cases accept any of the tool pallets shown on the following page.

Single and Double sided cases feature three outside pockets, one measures 15 x 11 x 2" and two are 7½ x 11 x 2". Heavy-duty web-strap handles and D-rings attached for optional shoulder strap.

Triple sided case has an outside zippered document pocket that measures 9 x 15½ " and a center storage area that measures 15 x 11 x 4½ ". Padded side pockets measure 4 x 9 x 2½ ". Also features heavy-duty web-strap handles, combination locks and D-rings attached for optional shoulder strap.

Attaché case has large outer flap with latching buckles, an extra padded foam-grip handle and two zipper pockets. D-rings attached for optional shoulder strap.



Sample Pallet configuration shown in Double Sided Case



Single Sided | Double Sided | Triple Sided | Attaché



QC Clip makes pallet removal fast and easy

Cat. No.	Description	Case Style (Ref. Pg. 6-7)	Style No.	Inside Dimensions (L x W x D)	Tool Pallet Capacity	Each 1-2	3-9
216-750	Case only	Single Gray Cordura	13	15 x 11 x 3"	2	$60.00	$55.00
216-760	Case only	Single Black Cordura	13	15 x 11 x 3"	2	60.00	55.00
216-301	Case only	Double Gray Cordura	14	15 x 11 x 6"	4	95.00	87.00
216-401	Case only	Double Black Cordura	14	15 x 11 x 6"	4	95.00	87.00
216-402	Case only	Triple Black Cordura	15	15 x 11 x 9.5"	4	135.00	124.00
216-029	Case only	Black Attaché	–	15 x 11 x 3"	2	65.00	60.00
216-432	Optional Black Shoulder Strap	–	–	–	–	10.00	9.00

2 Select Your Pallets . . . with or without tools

See Facing Page

Empty Pallets Cat. No.	Each 1-2	3-9	Pallet No.	Description (Tool list on FaxBack Doc. #20)	Pallets with Tools Cat. No.	Each 1-4	5-9
216-302	$18.00	$17.00	1	Screwdrivers, etc.	9123-001	$85.00	$73.00
216-303	18.00	17.00	2	Pliers, etc.	9123-002	120.00	110.00
216-305	18.00	17.00	3	99® Series Tools, etc.	9123-003	85.00	78.00
216-306	18.00	17.00	4	Wrenches, etc.	9123-004	110.00	101.00
216-105	18.00	17.00	5	99® Series Tools Pliers, etc.	9123-005	215.00	198.00
216-106	18.00	17.00	6	Telecom Test, etc. (w/o meter)	9123-006	259.00	238.00
216-106	18.00	17.00	6	Telecom Test, etc. (w/ Jensen JTM-105)	9123-006M	439.00	404.00
216-107	18.00	17.00	7	Accessory Pallet	N/A	N/A	N/A
216-108	18.00	17.00	8	Document Portfolio	N/A	N/A	N/A
216-751	18.00	17.00	9	99® Series Pliers, Screwdrivers	9123-009	125.00	115.00
216-752	18.00	17.00	10	Pliers, Mini-Wrenches, etc.	9123-010	145.00	133.00
216-753	18.00	17.00	11	99® Series Precision Tools, etc.	9123-011	85.00	78.00
216-776	13.00	12.00	12	Clipboard, 13 x 9½"	N/A	N/A	N/A
216-775	13.00	12.00	13	Notebook Computer Pallet, 12 x 10 x 2½"	N/A	N/A	N/A
216-314	18.00	17.00	14	Pliers, Fold-Up Keys, etc.	9123-314	145.00	133.00
216-099	18.00	17.00	15	All 99® Series Tools	9123-015	130.00	120.00
216-249B	18.00	17.00	16	CD-ROM and Diskettes Pallet	N/A	N/A	N/A
216-315	18.00	17.00	17	99® Series Screwdrivers, Pliers, Pouch	9123-317	110.00	97.00

SAVE TIME . . . select one of three pre-assembled, application-oriented tool kit designs in their respective sections: Bio-Medical (pg. 36) - Telecom (pg. 40) - Network/PC (pg. 43)

JENSEN®

ORIGINAL JTK® JENSEN DESIGN

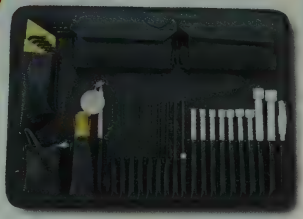
216-302 (1)



216-303 (2)



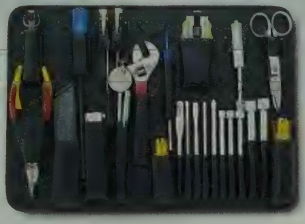
216-305 (3)



216-306 (4)



216-105 (5)



216-106 (6)



Shown with Optional Meter

216-107 (7)



216-108 (8)



216-751 (9)



216-752 (10)



216-753 (11)



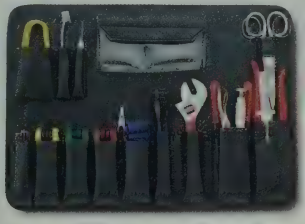
216-776 (12)



216-775 (13)



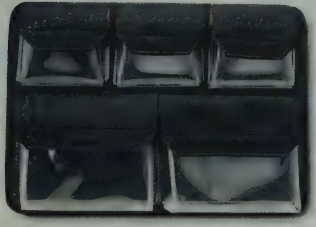
216-314 (14)



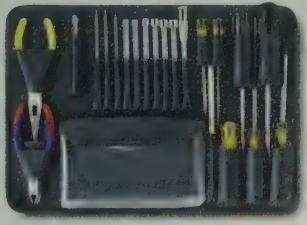
216-099 (15)



216-249B (16)



216-315 (17)



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VK®-7 Basic Field Service Kit

➥ **Ideal for field service, trade schools, office, shop or personal use**

These economical kits feature 64 top quality domestic and foreign tools most needed for a variety of electronic, electrical and mechanical maintenance tasks.

The kit is offered in a black polyethylene case with two removable pallets and heavy-duty loop-stitched elastic straps designed to hold the tool assortment safe and secure. Two key-lock latches and combination lock provided security. This kit will give you years of dependable service.

The following Tools are included in the VK-7 Basic Field Service Kit

64 tools in all:

- Alignment tools (2)
- Feeler gauge .0015-.025"
- Hammer, ball peen, 4 oz.
- Handle, driver blades, $4^1/_2$"
- Hemostat, 5"
- Hexdriver blades (6): $^1/_{16}$ - $^9/_{64}$"
- Knife, mini
- Mirror, inspection
- Nutdriver blades (6): $^3/_{16}$-$^1/_2$"
- Penlight w/batteries
- Pliers (5): diagonal cutter, $4^1/_2$"; diagonal cutter, 6"; groove joint, 8"; long nose, $4^1/_2$"; long nose with cutter, $6^1/_2$"
- Punch, center, $^3/_{32}$"
- Punches, pin (2): $^1/_{16}$; $^1/_8$"
- Rule, stainless, 6"
- Scissors, thin-line*
- Screwdrivers (11): offset; Phillips, #0 x 2", #1 x 3", #2 stubby, #2 x 4"; slotted, $^1/_8$ x 2", $^3/_{16}$ x 6", $^3/_{16}$ x 3"; $^1/_4$" stubby, $^1/_4$ x 4", $^5/_{16}$ x 6", offset
- Screwstarter, Phillips/slotted
- Socket set, $^1/_4$" drive, 14 pc.
- Solder aid, fork and hook
- Soldering iron
- Spring tool, combination
- Tweezers, reverse action
- Wire crimper/stripper
- Wrenches, adjustable (2): 4"; 8"
- Tool case with pallets



Need a meter to complete your kit? Optional Meters begin on page 78

JTM-69

VK®-8P Deluxe Field Service Kit

➥ **Economically priced, excellent value**

➥ **Ideal for field service, trade schools, office, shop or personal use**

The Deluxe Kit contains over 100 tools required to install and repair a variety of electronic equipment. Tools have been carefully selected to meet high performance standards while keeping price in mind.

The kit is offered in a black polyethylene case with two removable pallets and heavy-duty loop-stitched elastic straps designed to hold the tool assortment safe and secure. Two key-lock latches and combination lock provide security. This kit will give years of dependable service.

The following Tools are included in the VK-8P Deluxe Field Service Kit

104 tools in all:

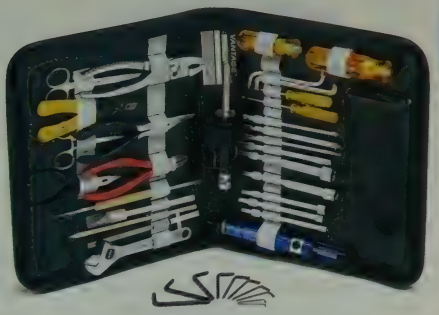
- Desolder wick
- Hammer, ball peen, 4 oz.
- Handle, (2) $4^1/_8$", $3^1/_8$"
- Hex driver blades, (9): .050-$^3/_{16}$"
- Hex key set, (10): .028-$^5/_{32}$"
- IC extractor*
- IC inserter
- Knife, precision with 5 blades
- Mirror, inspection
- Needle file set, 8 pcs.*
- Nutdriver blades, (9): $^3/_{16}$-$^1/_2$"
- Penlight w/batteries
- Pliers, (7): groove joint, 10"; slip joint, 6"; locking, 5"; long nose with cutter, 6"; long nose, $4^1/_2$"; diagonal cutter, $4^1/_2$"; diagonal cutter, $5^1/_4$"
- Punches, (3): $^3/_{32}$" center, $^1/_8$ & $^1/_{16}$" pins
- Screwdriver set, jeweler's, 7 pc.
- Screwdrivers, (11): Phillips, #0 x $2^3/_4$", #1 x 3", #2 x 4", #2 stubby; Slotted, $^1/_8$ x $2^1/_2$", $^1/_8$ x 4", $^3/_{16}$ x 3", $^3/_{16}$ x 6", $^1/_4$ x 4", $^1/_4$ x $1^1/_4$" stubby, $^5/_{16}$ x 6"
- Screwstarter, double-end, slot/Phillips
- Scriber, needle point
- Socket set, 14 pc., $^1/_4$" drive, $^3/_{16}$-$^1/_2$"
- Soldering iron
- Solder aid, knife/brush
- Spline key set, 10 pc.
- Wire crimper/stripper/cutter
- Wrench, adjustable 6"
- Tool case with pallets

Cat. No.	Description	Case Style (Ref. Pg. 54-55)	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-2	Kit Price 3-9	Case w/pallets only Cat. No.	Case w/pallets only Each
VK-7	Basic Field Service Kit	Lightweight Poly	4	$17^3/_4$ x $12^3/_4$ x $4^3/_4$"	22	Individual	$305	$281	356-712	$135
VK-8P	Deluxe Field Service Kit	Lightweight Poly	4	$17^3/_4$ x $12^3/_4$ x $4^3/_4$"	23	Individual	405	373	23-178	145

VK®-6 Compact Economy Tool Kit

Includes most standard tools required for servicing or repairing electronics and electrical equipment.

Zipper case is constructed of handsome vinyl with an inside-flapped pocket, heavy-duty zipper, and durable elastic strap tool holders. Stores easily in a desk drawer or file cabinet.



These tools are included in the VK-6 Economy Tool Kit

39 tools in all:
- Birchwood stick
- Hemostat, 3 1/2"
- Knife, light-duty
- Nutdriver blades (5): 3/16, 1/4, 3/8, 7/16, 1/2"
- Nutdriver handles (2): 3 1/8, 4 1/8"
- Pliers (4): diag. cutter, 5 1/4"; long nose, 4 3/4; long nose, 6 3/4"; slip joint, 6"
- Rule, 6"
- Scissors, thinline, 5"
- Screwdrivers (4): Phillips offset, pocket clip; slotted offset, pocket-clip
- Screwdriver blades (4): Phillips #1, #2; slotted 3/16", 1/4"
- Solder aid
- Solder removal tool
- Soldering iron
- Wire stripper/cutter
- Wrench, adjustable, 6"
- Wrench set, Allen hex
- Zipper Case

VK®-5 Multi-Fastener Service Kit

➥ **Perfect for light mechanical work** ➥ **More than 50 tools**

This compact multi-use kit features all of the essential fastening tools. A padded vinyl zipper case with heavy-duty elastic strap holders holds the tools securely, with an inside pouch for test leads and spare parts. Metric kit has all metric drivers.



These tools are included in the VK-5 Multi-Fastener Service Kit

54 tools in all:
- Extension blade, 4"
- Handle, driver blades (2): 3 1/4; 4 1/4"
- Hemostat, 6"
- Hexdriver blades (9): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"
- Knife, precision
- Nutdriver blades (9): 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/8"
- Penlight w/batteries
- Pliers (3): diagonal 5"; groove joint, 7"; long nose, 6 1/2"
- Rule, 6"
- Scissors, thinline
- Screwdriver blades (6): Phillips, #0; #1; #2; slotted, 1/8, 3/16, 1/4"; offset, ratchet
- Screwdrivers (2): Phillips, pocket clip; slotted, pocket clip
- Socket set, 1/4", 13 pc.
- Tape measure, 10'/3M
- Torx key, fold up set
- Wrenches adjustable (2): 4"; 8"
- Zipper Case

VK®-1 Mini-PC Kit

➥ **All drivers have lifetime warranty**

➥ **Compact, lightweight padded vinyl case**

Kit contains the basic tools needed to access, service and upgrade most PCs. Compact zipper case fits almost anywhere: desk drawer, briefcase, luggage, etc.



These tools are included in the VK-1 Mini-PC Kit

15 tools in all:
- IC extractor
- IC inserter
- Nutdrivers (2): 3/16, 1/4"
- Parts holder, 3 prong
- Penlight w/batteries
- Pliers (2): diag. cutter, 4 1/2"; long nose, 5"
- Screwdriver, Phillips (2): #1, #2
- Screwdriver, slotted (2): 1/8", 3/16"
- Torx drivers (2): T10, T15
- Trimpot tool
- Zipper case

VK®-2 PC Repair Kit

➥ **Ideal for service and repair of most PCs**

➥ **Compact, lightweight polyester case**

Kit contains the essential tools needed for access, service and repair of most PCs and related equipment. Zipper case is rugged black polyester material with lots of space inside for tools and three exterior pockets for larger items: one is 10 x 9 x 1" and two are 5 x 9 x 1".

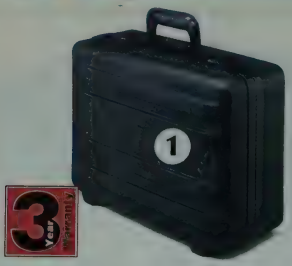


These tools are included in the VK-2 PC Repair Kit

21 tools in all:
- IC extractor
- IC inserter
- Insertion/extraction tool RS232 contacts
- Mirror, inspection
- Nutdrivers (2): 3/16, 1/4"
- Parts holder
- Penlight w/batteries
- Pliers (2): diag. cutter, 4 3/4", long nose, 4 3/4"
- Screwdrivers (6): Phillips #0 x 2 3/4", #1 x 3", #2 x 4"; slotted 1/8 x 2", 3/16 x 3", 1/4 x 4"
- Torx drivers (2): T10, T15
- Trimpot tool
- Wire crimper/stripper
- Wrench, adjustable, 4"
- Zipper case

Cat. No.	Description	Case Style	Style No.	Dimensions (ID) (L x W x D)	Weight (Lbs.)	Pallet Style (Ref. Pg. 55)	Kit Price 1-4	Kit Price 5-9	Case w/pallets only Cat. No.	Case w/pallets only Each
VK-6	Economy Tool Kit	–	–	11 3/4 x 9 3/4 x 1 1/4"	7	Fixed	$120	$110	207-075	$25
VK-5	Inch Multi-Fastener Kit	–	–	13 1/2 x 10 x 2 1/2"	7	Fixed	180	166	23-535	41
VK-5M	Metric Multi-Fastener Kit	–	–	13 1/2 x 10 x 2 1/2"	8	Fixed	180	166	23-535	41
VK-1	Mini-PC Kit	–	–	10 x 6 x 2"	3	Fixed	55	51	216-004VK	13
VK-2	PC Repair Kit	–	–	11 1/2 x 10 x 2"	6	Fixed	115	106	216-002	45

Great Kits Start with Great Cases . . .



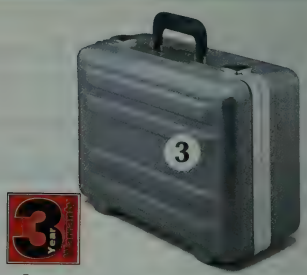
Monaco™ Cases

Rotationally molded polyethylene ensures uniform thickness. Extra corner thickness, piano hinge, keylock latches and combination lock. Black epoxy-coated tongue and groove aluminum valance.



Aluminum Cases with Lined Interior

Molded aluminum with chrome-plated latches and combination lock. Made to our specifications by Zero-Halliburton. Lightweight and strong. Piano hinge, tongue and groove closure with rubber gasket, and fully lined interior.



Deluxe Poly Cases

Vacuum formed high density polyethylene. Color won't fade, chip or rub off. Piano hinge, tongue and groove aluminum valance, chrome-plated locking latches, plus combination lock.



X-tra Rugged Rota-Tough™ Cases

Rotationally molded black polyethylene with uniform sides and walls, and raised reinforced ribs. Heavy-duty tongue and groove valance, full width piano hinge, lid document pouch, spring-loaded padded steel handle, positive closing 1/4-turn drawbolt style latches and combination lock.



Super Tough Cases

Vacuum formed .250" high density gray polyethylene. Molded-in stacking feature. Tongue and groove aluminum closure, chrome-plated keylock latches, padded steel core handle, and lid document pouch.



Rugged Duty Poly Cases

Military style case (NSN 5140-01-301-3988), in black or olive drab, vacuum formed of extra heavy .250" high density polyethylene. Color won't fade, chip or rub off. Heavy-duty tongue and groove aluminum valance, spring-loaded steel handle, lid document pouch, combination lock and padlock hasp.



Single Sided Cordura® Plus Cases

Features durable, long lasting Cordura Plus material, one large and two small outside pockets, heavy-duty double zippers, strong comfort grip handle, and D-rings for optional shoulder strap.



Double Sided Cordura® Plus Cases

The same features as the single sided cases *plus* two side compartments to carry up to four tool pallets or a combination of tools and test equipment/computer.



Triple Sided Cordura® Plus Cases

These cases offer the same features as the single and double sided cases, including two side compartments for up to four tool pallets, plus a middle section for test equipment/computer.

MADE IN USA



Lightweight Poly Cases

Vacuum formed lightweight, high impact black polyethylene. Tongue and groove aluminum valance, key and combination lock.



Waterproof Cases

Built to Jensen specifications by Pelican®. Airtight and waterproof with purge valve. Black cycolac resin construction. Padlock hasp.



Rota-Tough™ Cases

Rotationally molded tough polyethylene. Walls have uniform thickness with impact resistant corners. Black epoxy-coated tongue and groove aluminum valance, ball bearing lid stays, lid document pouch, piano hinge and keylock latches.



Roto-Rugged "Tote" Cases

Rotationally molded heavy-duty polyethylene shell. Four ball-bearing recessed rubber wheels. Locking handle telescopes to 41". Steel curb/stair skids on bottom. Key and combination lock. Available in 8, 10, and 12" depths.



Super-Roto Wheeled Cases

Rotationally molded heavy-duty polyethylene shell. Horizontal orientation helps keep tools in place. Two ball-bearing recessed rubber wheels. Locking handle telescopes to 37". Steel curb/stair skids on bottom, 1/4-turn drawbolt style latches and padlock hasp. Available in 10 and 12" depths.



Horizontal Tough "Tote" Cases

Vacuum formed, high density polyethylene shell. Molded-in bumpers, tongue and groove aluminum valance, spring-loaded steel handle, key locking latches, padlock hasp, telescoping friction-controlled tote handle that extend to 38" and two rubber wheels.

JENSEN® Pallets Complete the Package . . . Six Styles to Satisfy Every Need

Jensen tool pallets are constructed of top grade materials . . . *no corrugated cores.* When mixing and matching pallets, keep in mind that the pallet height and width must be the same as the case (case dimensions are listed on each kit page).



Side Hinged Pallets provide a two pallet configuration with direct access to tools stored in the bottom of the case. A three pallet configuration is possible with the addition of a bottom pallet.



Bottom Hinged Pallets can only be interchanged with cases featuring bottom hinged pallets. Tools in the bottom of the case can be accessed easily simply by lifting up the bottom pallet.



Individual Pallets will interchange with any style as long as the height and width are the same. Bottom pallet lifts out easily.



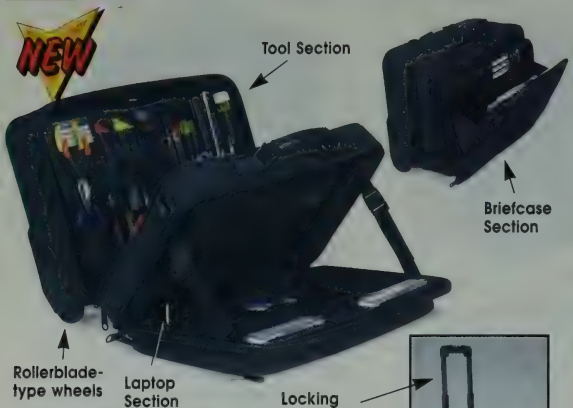
Winged Pallets allow easy access to all tools. Some configurations feature removable wing pallets, giving you the option to carry these tools only when needed.



Quick Change (QC) Pallets are used in the majority of our soft cases and feature a patented Quick Change mechanism that allows fast and easy pallet removal.

Fixed Pallets are sewn into the soft tool cases and are not removable.

Replacement Hardware for Cases. From time to time it may be necessary to replace various parts due to normal wear associated with use. Replacement part information is available 24 hours/7 days on our web site at www.jensentools.com.



JENSEN®
Soft-Sided Multi-Purpose Tool Case

➥ **Carry your tools, laptop and business materials in one rugged case**

Exterior is made of durable nylon and is reinforced with a rigid frame. Curb/stair skids provide added durability. **Tool Section** holds two 17 3/4 x 12 3/4" tool pallets. Three removable zippered pouches are perfect for storing a multimeter, probes, etc. Padded **Laptop Section** holds computer up to 10 x 13", removable pouch stores laptop accessories and pockets hold CD's and diskettes. **Briefcase Section** is equipped with multiple pockets for phone, business cards, pens/pencils, documents and more. Outside zippered pocket allows for quick access to airline tickets and documents. **Tools sold separately.**

Cat. No.	Description	L x W x D (OD)	Weight	Each 1-2	3-4
216-651	Case	18 1/2 x 13 3/4 x 9"	11 lbs.	$199	$183
418-901	Case w/Pallets	18 1/2 x 13 3/4 x 9"	14 lbs.	239	220
216-432	Optional Shoulder Strap	-	-	10	9





platt
Guardsman™ ATA Tool Case with Wheels and Telescoping Handle

Tools and pallets sold separately

Built to Jensen specifications by Platt. This heavy-duty tool case is made of HMW polyethylene and has a continuous industrial frame to form a strong, but lightweight case. Hardware is recessed for stackability and protection. Additional features include heavy-duty twist-draw latches, padlock hasp, full-length piano hinge, spring-loaded handles, literature pocket and foam in bottom. Telescoping handle extends to 3'. Case will accommodate Jensen pallets measuring 17 3/4 x 14 1/2".

Cat. No.	Description	Dimensions (ID)	Weight	Each 1-2	3-4
373-250	ATA Tool Case	18 1/2 x 14 1/2 x 9 3/4"	22 lbs.	$469	$431



Tools sold separately

JENSEN®
Euro-Style Tool Case

➥ **Accommodates larger tools**

Black rugged duty case is ideally suited for the electrical or mechanical technician who needs to carry larger tools. Elastic straps hold small tools and accessories. 3-pallet arrangement will fit any of our tool cases that measures 17 3/4 x 14 1/2" inside. (USA)

Cat. No.	Description	L x W x D (ID)	Each 1-4	5-9
356-999	Euro-Style Tool Case	17 1/2 x 14 1/2 x 9"	$210	$193



Tools sold separately

Polyethylene Tool Case

A long standing tradition for many technicians. Features two fixed pallets made of heavy olive-colored canvas, double-stitched at points of stress. Two zippered pockets hold small parts. Bottom section is divided in the center and holds additional tools and parts. Corners are metal reinforced. (USA)

Cat. No.	Description	L x W x D (ID)	Each 1-2	3-9
126-190	Polyethylene Tool Case	15 x 11 1/4 x 5 1/4"	$109	$100



Tools and Laptop not Included

ORIGINAL Bucket Boss BRAND

Contractor's Briefcase™

Mobile office and tool case in one. Constructed of extra-rugged 600-denier polyester fabric with adjustable shoulder strap. Plenty of room for plans, file folders, note pads, pen/pencils, business cards, and CD/diskettes. Fourteen tool pockets include space for a 30' tape measure. Full drop-down panels provide easy access. Hear-Through™ cell phone pocket. 12 x 16 x 5".

Cat. No.	Description	Each 1-5	6-11
51-005	Contractor's Briefcase	$45.00	$40.50



Complete with D-rings for optional shoulder strap.

JENSEN®

Mechanic's Tool Bag

The famous GI bag is now available in Cordura nylon in a choice of colors, with oversize zipper and web strap handles. Six sewn-in pockets inside. Two exterior snap pockets each divided into three sections. D-rings attached for optional shoulder strap. 5½ x 6 x 12".

Cat. No.	Description	Color	Each 1-4	5-9
892-030	Tool Bag	Green	$19.95	$18.35
392-306	Tool Bag	Navy	19.95	18.35
216-070	Tool Bag	Red	19.95	18.35
216-072	Tool Bag	Burgundy	19.95	18.35
216-074	Tool Bag	Black	19.95	18.35
216-075	Tool Bag	Royal Blue	19.95	18.35
216-603	Shoulder Strap	Black	3.00	–



Tools not included

JENSEN®

Backpack Tool Case

- Lightweight & durable Cordura® Plus material
- Carries over 100 tools

Tools are loaded on to the three pallets and are retained by an elastic netting. Pack unzips all the way around for easy access. Top carry handle makes it easy to grab-and-go. Padded shoulder strap design makes backpack comfortable to carry.

Cat. No.	Description	Each 1-4	5-9
54-964	Backpack Tool Case	$139.00	$127.88



STANLEY PROTO

Heavy-Duty Canvas Bags

- Steel frame
- Reinforced bottoms

Rugged #8 white canvas reinforced with vinyl. One-piece construction riveted to 12 gauge steel-hinged frame. Riveted leather handles. Water resistant fiberboard bottom with metal studs for added protection and durability. **Utility Bags** are constructed of same canvas material but have no frame or handles. Heavy-duty zipper closure. (USA)

Cat. No.	Description	L x W x D (ID)	Each 1-5	6-11
185-210	Heavy-Duty Bag	14 x 6 x 14"	$43.00	$38.70
185-207	Heavy-Duty Bag	24 x 6 x 15'	51.00	45.90
37-139	Utility Bag	12 x 7"	7.00	6.44

JENSEN®

Rugged-Duty Tool Chest

- Padlockable
- Handles heavy loads

Can be used for tools, parts and equipment storage, or as a shipping container. Heavy-gauge, high density polyethylene. Military style handles and latches. Two removable interlocking trays with web strap handles and interchangeable metal dividers.

Storage space beneath trays measures 24 1/4 x 13 1/4 x 8" for larger tools and equipment.



Tools not included

Cat. No.	Description	Dimensions (ID)	Weight	Each 1-2	3-9
377-400	Rugged-Duty Tool Chest	25 x 13 1/2 x 15"	23 lbs.	$319.00	$293.00



All cases now include new and improved metal latches



Rubbermaid®

Tool Boxes/Chests

- Rugged, commercial grade

Constructed of tough structural, high-impact resistant plastic. Lids are designed for water resistance. All boxes feature molded-in side handles and flush metal latches. **26" Box** has one full tray, an additional handle on lid, and is padlockable. **35" Chest** offers one half-tray and is also padlockable. **36" Chest** has two half-trays and a built-in key lock. (USA)

Cat. No.	Description	L x W x D (OD)	Each 1-4	5-9
700-717	Tool Box	26 x 11 1/2 x11"	$55.00	$51.00
700-718	Tool Chest	35 x 13 1/2 x 14"	75.00	69.00
700-719	Tool Chest	36 x 18 1/2 x 20"	116.00	107.00





Flambeau

Tool/Storage Boxes

- Padlockable

High-impact, copolymer construction is dent-proof, non-rusting, non-conductive and resistant to most common chemicals. Each box features lift-out trays, durable Powerlatches™, and tongue-and-groove design to keep water out. (USA)

Cat. No.	Description	Dimensions (ID)	Each 1-4	5-9
352-120	Tool/Storage Box	16 1/2 x 8 x 7 1/4"	$17.95	$16.51
352-771	Tool/Storage Box	23 x 10 1/2 x 11 1/2"	32.50	29.90
352-800	Tool/Storage Box	27 1/2 x 13 3/4 x 14"	49.00	45.08

ORIGINAL Bucket Boss BRAND



GateMouth™ 51-004

GateMouth™ Jr. 51-007

Pro Super GateMouth™ 51-008 (Tools sold seperately)

Soft Sided Organizers

GateMouth™ and **GateMouth™ Jr.** tool bags are made from rugged 600 denier fabric and feature 9" wide mouth openings, web strap handles, steel hinge frame and a rigid bottom to retain shape. GateMouth comes with a shoulder strap.

Pro Super GateMouth™ is made of rugged ripstop fabric with ballistic reinforcement on sides and bottom. 39 exterior pockets and 10 interior pockets, web strap handles, steel hinge frame, rigid bottom padded to protect tools. Shoulder strap included.

Cat. No.	Description	Dimensions	Each 1-4	5-9
51-004	GateMouth	17 x 9 x 12"	$39.50	$35.55
51-007	GateMouth Jr.	13 x 9 x 8"	26.50	23.85
51-008	Pro Super GateMouth	19 x 14 x 12"	53.95	48.56

LADDERWARE™ Ladder Tool Caddy

- Lightweight, durable & weatherproof
- Installs easily on nearly all A-frame ladders

Ideal for ladder-top maintenance where multiple tools are required. Snap-together tray on the top for miscellaneous items.



Tools not included

Cat. No.	Description	Pockets	Each 1-5	6-11
409-004	Ladder Caddy, 4-sided	19	$36.00	$32.40



Tools sold separately

Soft Sided Tool Pouch

Tool Holster™ keeps your tools and supplies handy. Made from rugged 600-denier fabric. Features large main compartment with two inside tool loops, three outside pockets, three outside tool loops and twin hammer loops. One size fits 20" to 44" waists.

Cat. No.	Description	Each 1-5	6-11
51-009	Tool Holster	$14.95	$13.45





Tools sold separately

Duckwear® Tool and Wrench Rolls

Heavy-duty tool organizers are constructed of 100% cotton duck fabric. 27 x 14" open. **51-070 Tool Roll:** Features 22 pockets to hold a wide variety of hand tools. Socket strip holds 3/8" and 1/4" sockets securely. Heavy straps with two barrel locks for secure closure. **51-071 Wrench Roll:** (Not shown) Features 14 graduated-size pockets which fit open-end and box-end wrenches. Tie closure.

Cat. No.	Description	Each 1-5	6-11
51-070	Duckwear Tool Roll	$15.00	$13.50
51-071	Duckwear Wrench Roll	15.00	13.50

37-033

37-032



Tool Pouches

Big capacity pouch has 10 pockets and metal gate clip. **Small pouch** has ten small pockets, tape thong and metal ring for butt-set. Each is made from pliable soft leather and fits belts up to 1 3/4" wide. Riveted and stitched construction. (USA)

Cat. No.	Description	Each
37-032	Tool Pouch Large Capacity	$47.00
37-033	Tool Pouch Small	36.75



Tools sold separately

JENSEN® Universal Tool Belt System



Jensen's rugged tool belt system provides comfort and safety with its built in back support and removable suspenders. Unique design distributes weight evenly. Pouches contain 15 pockets providing ample space for tools and test equipment. Two zippered pockets measure 6 x 6" and two flap pockets measure 3 x 4". Belt attaches with Velcro™ and buckle and features four hooks for tool attachment. Tote bag (included) allows for easy transport of belt and tools, and contains three outside pockets for easy access of frequently used items. Made of Ballistic nylon, all pieces are water, dirt and stain resistant. To fit, measure just below navel over clothing.

Cat. No.	Description	Size	Each 1-2	3-9
216-148	Medium	33-38"	$180.00	$165.60
216-149	Large	39-44"	180.00	165.60
216-150	Extra Large	45-50"	180.00	165.60
216-158	Tote Bag Only	–	64.00	52.90

185-169

185-170



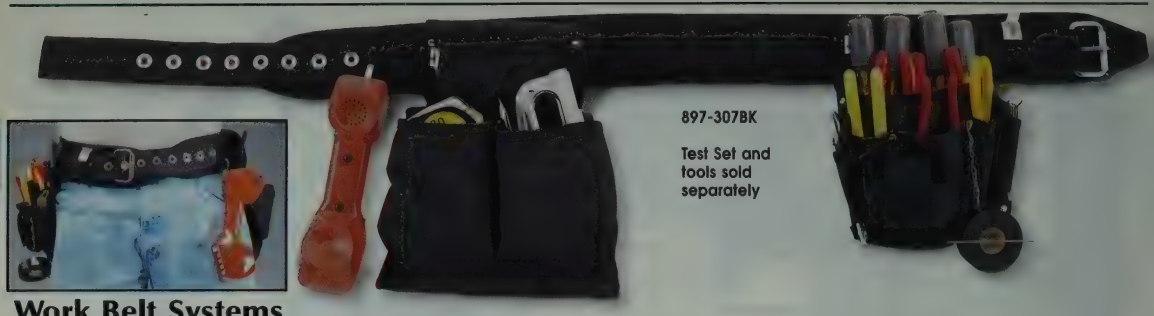
PROTO® General Purpose Tool Boxes

- All metal construction
- Removable tote tray

Proto tool boxes provide durable, high quality performance in demanding industrial applications. Rolled front edge prevents injury form sharp surfaces.

Cat. No.	Description (L x W x D)	Weight	Each 1-4	5-9
185-169	19 x 7 x 7"	9 lbs.	$19.00	$17.00
185-170	20 x 8 1/2 x 9 1/2"	12 lbs.	24.00	22.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



897-307BK

Test Set and tools sold separately

Work Belt Systems

➥ **Lightweight and modular** ➥ **2X the life of leather**

Made from Anso®-tex by Allied Signal, these belt/pouch work systems pass stringent tear strength and puncture resistance tests. Fabricated from first quality U.S. made goods, designed for maximum use and comfort. Choose any of three pre-assembled work belt systems or buy the belt and pouches separately and assemble it yourself. All belts fit all pouches and feature metal buckle and eyelets with adjustments in 1½" increments. Velcro® strip keeps pouches from sliding along belt. Tapered 5" belt is designed to offer lumbar support to reduce fatigue. All components are black. One year limited warranty. To fit, measure just below navel over clothing. (USA)

Telecom Work Belt System (shown)

Telecom Utility Pouch has one small upper pocket, one large main pouch and two smaller forward pouches. **Telecom Tool Pouch** has large main pocket with tool loops, formed outside pockets, four side tool loops, chain toggle and test meter case. **3" wide Pro Belt** included.

Cat. No.	Description	Each
897-307BK	Telecom Work Belt System, Medium (31-35")	$83.50
897-317BK	Telecom Work Belt System, Large (35-39")	83.50

Standard Electrician Work Belt System

Universal Pouch has large main pocket, upper and front pocket, pencil pocket and hammer holster on both sides. **Electrician Maintenance Pouch** has large main pouch with tool holders, formed front pockets, side tool loops, tape measure clip and chain toggle. **3" wide Pro Belt** included.

Cat. No.	Description	Each
897-304BK	Electrician Work Belt System, Medium (31-35")	$75.50
897-314BK	Electrician Work Belt System, Large (35-39")	75.50

Professional Electrician Work Belt System

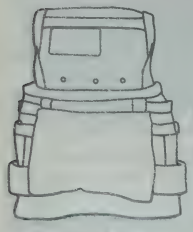
Multi-Use Tool Pouch has an expanding upper pocket, tool holders inside large main pocket and large pouches on outside. **Hammer Holder** has a heavy-duty steel loop that holds hammer on a padded base. **Electrician Maintenance Pouch** has two large main pockets with tool holders, three molded outer pockets, side tool loops, tape measure clips and chain toggle. **Tapered 5" wide Pro Belt** included.

Cat. No.	Description	Each
897-305BK	Pro Electrician Work Belt System, Medium (31-35")	$91.50
897-315BK	Pro Electrician Work Belt System, Large (35-39")	91.50

Individual Components

Cat. No.	Description	Each
897-303BK	Pro Belt 3", Medium (31-35")	$27.50
897-313BK	Pro Belt 3", Large (35-39")	27.50
897-505BK	Pro Belt 5", Medium (31-35")	29.50
897-515BK	Pro Belt 5", Large (35-39")	29.50
897-532BK	Hammer Holder	7.50

Cat. No.	Description	Each
897-125BK	Universal Pouch	$24.50
897-320BK	Electrician Pouch	27.50
897-328BK	Multi-Use Tool Pouch	34.50
897-323BK	Electrician Maintenance Pouch	30.50
897-332BK	Telecom Utility Pouch	25.50
897-330BK	Telecom Tool Pouch	35.50



Universal Pouch
897-125BK



Electrician Pouch
897-320BK



Multi-Use Tool Pouch
897-328BK



Electrician Maintenance Pouch
897-323BK



Telecom Utility Pouch
897-332BK



Telecom Tool Pouch
897-330BK

JENSEN® STANLEY Foreign Object Damage Prevention Tool Control

A successful tool control program will save time and reduce costs by preventing loss that can occur when a tool is left behind at a jobsite. Jensen Tools is the single source for your Tool Control/FOD needs.

- Personalized service and quality guaranteed
- Flexible customized solutions including, tools, cases, cabinets, foaming and laser etching, utilizing the highest quality products and technology available
- A diverse source of tools and equipment from worldwide manufacturers
- Proven quality solutions backed by Jensen's guarantee

Start your Tool Control Program now!
Let us submit a quote.
Call: 800-426-1194, ask for Tool Control
Fax: 602-431-0652
E-mail: sales@stanleyworks.com



1. Portable foamed kits



2. Travel tough hard sided-cases



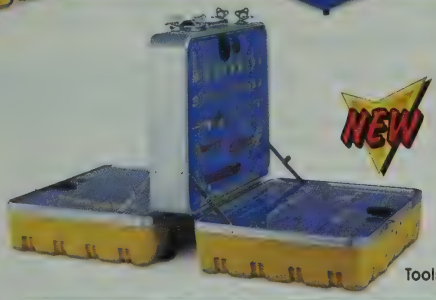
3. Entire wheeled or fixed workstations

JENSEN®
4-Sided FOD / Tool Control Cases

- High Visibility
- Durable, versatile design for mobile or travel applications.

A unique, four-section case that can utilize foam customized to your specific needs as well as Do-it-yourself foam pallets. Case features see-through retainer panels to keep contents secure. Shell is vacuum formed of high-density polyethylene. Additional features include spring-loaded handle and 1/4-turn latches, telescoping handle, two ball bearing recessed rubber wheels, two hasps that secure both sides of case with the use of a padlock.

Cases are available with Do-it-yourself foam pallets. Foam is comprised of high density, closed cell, polyethylene material that is resistant to Skdrol and other industrial solvents. Foam is easily cut to accept tools up to 1" in depth. Detailed instructions included.



Tools not included

Cat. No.	Description	Each
54-198	Case and Foam 17 3/4 x 14 1/4 x 12"	$459.00
54-195	Case only 17 3/4 x 14 1/4 x 12"	299.00
54-6590*	Case only 21 x 17 x 12" (not shown)	469.00
418-860	Padlock w/ 5 3/4" Shackle (not shown)	15.55

* 21x17x12" case not available with Do-it-yourself Foam

JENSEN®
Two-Color Foam Tool Organizers

- Do-it-yourself tool control
- Fits tool drawers up to 39 x 26 1/4"

Cost effective alternative to custom foam for portable and smaller fixed applications. Add foam sets easily as your tool control needs expand. Same high quality closed-cell polyethylene foam used in Jensen's custom tool organizers. Resists Skydrol and other industrial solvents. Two-color foam is easily custom cut by the user with included layout sheets. Simply arrange tools on layout sheets, trace outline, transfer to foam and cut. Each single foam set includes one 39 x 26 1/4 x 1/2" blue foam sheet with permanent adhesive back; one 39 x 26 1/4 x 1/4" yellow foam sheet; two layout sheets with adhesive back; detailed instructions. Order optional **68-200** precision knife (see page 227) and **39-244** 24" rule (see page 231) below for accurate and easy cutting.

277-001 includes one foam set.
277-002 includes five foam sets.



Tools not included

Cat. No.	Description	Each 1-4	5-9
277-001	Foam Tool Organizer 1/pk.	$52.00	$49.40
277-002	Foam Tool Organizer 5/pk.	255.00	242.25
68-200	Optional Precision Knife	4.95	-
39-244	Optional 24" Stainless Rule	34.50	-

JENSEN TOOLS INC
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Select Foam-Filled or Foam-Lined!



Attaché Style (One Handle)

Take-Off Lid Style (Two Handles)

GSA Contract No.: GS-14F-8847B
Call for sizes on contract: 800-426-1194

JENSEN®

Heavy-Duty Shipping Containers

- Lightweight and Extremely Tough
- Padlockable
- Waterproof (but not submersible)

A safe, economical way to ship electronic devices, computer peripherals, or other sensitive equipment. Made of lightweight high-density polyethylene, similar to airline shipping containers. Strong male/female closures and full-length piano hinges. Clear anodized hardware resists corrosion. Quarter-turn military style latches, molded-in ridges. Spring-loaded steel handles. Rubber gasket helps seal out dirt and moisture. Permanent non-chip white finish is impervious to solvents and will withstand temperature variations of -180°F to +180°F. Assorted shipping decals (arrows, delicate unit, handle with care) are included. Padlock eyes accept standard padlock (sold separately – see page 63).

Foam-Filled models are filled with layers of dense 2 lb. foam. **Foam-Lined** containers are lined with 2" of foam on all sides. Foam is removable. All sizes also available empty, call for price.

How to Select a Shipping Container

Measure piece(s) of equipment to be shipped. Add 4" to each dimension; length, width and height for foam. If more than one piece is to be shipped in the same container, allow 2" of foam between the items. 2" of 2 lb. density foam will normally provide adequate protection for your equipment.

Jensen shipping container dimensions are wall-to-wall inside. To determine usable space within the foam liner, please subtract 4" from each dimension given. For example, an 18 x 18 x 18" foam-lined case would be ideal for a 14 x 14 x 14" piece of equipment.

Jensen foam-filled cases are offered in a variety of styles and sizes to suit individual needs and preferences. We can provide custom foam cutting on quantity orders. For information call 800-426-1194.

Take-Off Lid Style Foam-Lined			Inside Dimensions		Take-Off Lid Style Foam-Filled		
Cat. No.	Weight	Each	L x W x D	Bottom/Lid	Cat. No.	Weight	Each
377-184	29 lbs.	$325	20 x 20 x 24"	12 + 12	377-184F	33 lbs.	$345
377-186	25 lbs.	335	22 x 22 x 21"	10 1/2 + 10 1/2	377-186F	36 lbs.	355
377-187	35 lbs.	325	22 1/2 x 18 1/2 x 28"	14 + 14	377-187F	44 lbs.	415
377-189*	22 lbs.	399	24 x 24 x 30"	15 + 15	377-189F*	27 lbs.	470
377-192*	22 lbs.	405	26 1/2 x 26 1/2 x 26"	13 + 13	377-192F*	27 lbs.	475
377-193*	27 lbs.	450	34 x 25 3/4 x 26"	13 + 13	377-193F*	33 lbs.	515
377-194	20 lbs.	380	35 1/8 x 18 x 20"	10 + 10	377-194F	24 lbs.	415
377-196*	50 lbs.	415	37 x 22 x 28"	14 + 14	377-196F*	64 lbs.	505
377-197	50 lbs.	399	38 x 22 x 20"	10 + 10	377-197F	56 lbs.	490
377-198*	68 lbs.	595	57 x 30 x 14"	11 + 3	377-198F*	82 lbs.	660
377-201*	52 lbs.	685	57 x 30 x 22"	11 + 11	377-201F*	57 lbs.	810

*Too large to ship UPS – must ship via truck.

Attaché Style Foam-Lined			Inside Dimensions		Attaché Style Foam-Filled		
Cat. No.	Weight	Each	L x W x D	Bottom/Lid	Cat. No.	Weight	Each
377-111	9 lbs.	$180	13 7/8 x 8 7/8 x 9"	6 1/2 + 2 1/2"	377-111F	9 lbs.	$190
377-112	10 lbs.	195	16 x 9 x 9"	6 + 3"	377-112F	10 lbs.	205
377-114	11 lbs.	205	17 7/8 x 9 7/8 x 12 1/4"	10 1/2 + 1 3/4"	377-114F	12 lbs.	215
377-116	11 lbs.	155	17 3/4 x 14 1/2 x 6 3/8"	3 5/8 + 2 3/4"	377-116F	11 lbs.	165
377-117	13 lbs.	165	17 3/4 x 14 1/2 x 9"	5 + 4"	377-117F	14 lbs.	175
377-203	13 lbs.	170	17 3/4 x 14 1/2 x 12"	8 1/2 + 3 1/2"	377-203F	15 lbs.	180
377-118	15 lbs.	190	18 3/4 x 18 3/4 x 8"	4 + 4"	377-118F	15 lbs.	200
377-121	15 lbs.	200	18 3/4 x 18 3/4 x 10"	6 + 4"	377-121F	17 lbs.	230
377-155	18 lbs.	220	18 3/4 x 18 3/4 x 13"	9 + 4"	377-155F	21 lbs.	235
377-122	8 lbs.	175	19 1/8 x 8 7/8 x 6"	3 1/2 + 2 1/2"	377-122F	8 lbs.	180
377-124	15 lbs.	220	20 1/2 x 14 1/2 x 10"	5 + 5"	377-124F	16 lbs.	230
377-126	14 lbs.	210	21 3/4 x 14 1/2 x 8"	5 + 3"	377-126F	15 lbs.	225
377-165	16 lbs.	215	23 3/4 x 15 1/4 x 11"	5 1/2 + 5 1/2"	377-165F	17 lbs.	225
377-127	21 lbs.	225	23 1/2 x 18 1/2 x 10"	5 + 5"	377-127F	23 lbs.	245
377-271	21 lbs.	245	27 x 19 x 10"	5 + 5"	377-271F	24 lbs.	255
377-128	23 lbs.	299	27 1/4 x 24 1/4 x 7"	3 1/2 + 3 1/2"	377-128F	25 lbs.	325
377-131	18 lbs.	245	28 7/8 x 14 1/4 x 10"	5 + 5"	377-131F	20 lbs.	265
377-291	20 lbs.	245	28 7/8 x 17 1/4 x 11"	5 1/2 + 5 1/2"	377-291F	23 lbs.	290

GSA FSS Contractor ★GSA Contract No.: GS-14F-8847B Call for sizes on contract: 800-426-1194

Footlocker Style Foam-Lined			Inside Dimensions		Footlocker Style Foam-Filled		
Cat. No.	Weight	Each	L x W x D	Bottom/Lid	Cat. No.	Weight	Each
377-311	15 lbs.	$220	20 1/2 x 12 3/4 x 11 1/2"	9 + 2 1/2"	377-311F	16 lbs.	$225
377-132	14 lbs.	220	21 1/8 x 10 6/8 x 12"	9 1/2 + 2 1/2"	377-132F	15 lbs.	220
377-205	25 lbs.	270	23 1/2 x 18 1/2 x 17 1/2"	14 + 3 1/2"	377-205F	28 lbs.	305
377-136	13 lbs.	225	24 1/8 x 9 x 14 1/4"	12 1/2 + 1 3/4"	377-136F	14 lbs.	245
–	–	–	24 x 9 x 5"	2 1/2 + 2 1/2"	377-259F	15 lbs.	190
377-185	21 lbs.	255	28 7/8 x 14 1/4 x 14"	11 + 3"	377-185F	23 lbs.	290
377-137	23 lbs.	270	28 7/8 x 14 1/4 x 17"	12 + 5"	377-137F	27 lbs.	299
377-215*	43 lbs.	360	34 x 25 3/4 x 16"	13 + 3"	377-215F*	50 lbs.	460
377-195	31 lbs.	310	35 1/8 x 18 x 15"	10 + 5"	377-195F	35 lbs.	345
377-138	35 lbs.	345	35 1/8 x 18 x 20"	10 + 10"	377-138F	47 lbs.	399
377-372*	40 lbs.	355	37 x 22 x 19"	14 + 5"	377-372F*	48 lbs.	425
377-221*	37 lbs.	345	38 x 22 x 12"	10 + 2"	377-221F*	40 lbs.	380
377-414*	30 lbs.	355	41 x 14 x 16"	14 + 2"	377-414F*	35 lbs.	390

* Too large to ship UPS - must ship via truck.



Footlocker Style
(Two Handles)

Square-Shaped Style Foam-Lined			Inside Dimensions		Square-Shaped Style Foam-Filled		
Cat. No.	Weight	Each	L x W x D	Bottom/Lid	Cat. No.	Weight	Each
377-140	10 lbs.	$205	14 1/2 x 13 1/8 x 12"	10 + 2"	377-140F	11 lbs.	$210
377-142	11 lbs.	180	14 x 14 x 9"	6 + 3"	377-142F	11 lbs.	190
377-151	15 lbs.	205	15 3/4 x 14 3/4 x 13 1/2"	6 3/4 + 6 3/4"	377-151F	16 lbs.	210
377-143	19 lbs.	245	17 3/4 x 14 1/2 x 19"	17 + 2"	377-143F	22 lbs.	270
377-191	21 lbs.	255	18 3/4 x 18 3/4 x 18"	14 + 4"	377-191F	25 lbs.	275
377-144	23 lbs.	265	18 3/4 x 18 3/4 x 21"	15 + 6"	377-144F	26 lbs.	290
377-146	21 lbs.	310	20 x 20 x 16"	8 + 8"	377-146F	25 lbs.	320
377-202	24 lbs.	315	20 x 20 x 20"	12 + 8"	377-202F	29 lbs.	335
377-148	29 lbs.	325	20 x 20 x 24"	12 + 12"	377-148F	33 lbs.	345
377-150	25 lbs.	325	22 x 22 x 17 1/2"	10 1/2 + 7"	377-150F	30 lbs.	355
377-152	31 lbs.	335	22 x 22 x 21"	10 1/2 + 10 1/2"	377-152F	36 lbs.	360
377-135*	32 lbs.	310	24 x 24 x 17 1/2"	15 + 2 1/2"	377-135F*	37 lbs.	345
377-424*	33 lbs.	325	24 x 24 x 21 3/4"	15 + 6 3/4"	377-424F*	40 lbs.	360
377-153*	42 lbs.	360	24 x 24 x 30"	15 + 15"	377-153F*	51 lbs.	445
377-154	33 lbs.	355	26 1/2 x 26 1/2 x 16"	8 + 8"	377-154F	40 lbs.	405
377-157	37 lbs.	345	26 1/2 x 26 1/2 x 20"	12 + 8"	377-157F	46 lbs.	425
377-207*	39 lbs.	370	26 1/2 x 26 1/2 x 23"	13 + 10"	377-207F*	49 lbs.	435
377-208*	41 lbs.	390	26 1/2 x 26 1/2 x 26"	13 + 13"	377-208F*	54 lbs.	450

* Too large to ship UPS - must ship via truck.



Square-Shaped Style
(Two Handles)

Combo Style Foam-Lined			Inside Dimensions		Combo Style Foam-Filled		
Cat. No.	Weight	Each	L x W x D	Bottom/Lid	Cat. No.	Weight	Each
377-161	17 lbs.	$255	20 1/2 x 14 1/2 x 15"	12 + 3"	377-161F	21 lbs.	$265
377-162	20 lbs.	260	20 1/2 x 14 1/2 x 19"	15 + 4"	377-162F	23 lbs.	270
377-163	20 lbs.	290	20 x 20 x 10"	5 + 5"	377-163F	21 lbs.	340
377-164	20 lbs.	299	20 x 20 x 13"	8 + 5"	377-164F	23 lbs.	315
377-166	21 lbs.	310	22 x 22 x 10"	5 + 5"	377-166F	22 lbs.	325
377-167	22 lbs.	315	22 x 22 x 13"	8 + 5"	377-167F	25 lbs.	345
377-168	23 lbs.	270	24 x 24 x 10"	7 1/4 + 2 3/4"	377-168F	25 lbs.	280
377-175	24 lbs.	280	24 x 24 x 13 1/2"	6 3/4 + 6 3/4"	377-175F	29 lbs.	299
377-169	18 lbs.	235	25 x 13 3/8 x 11"	5 1/2 + 5 1/2"	377-169F	19 lbs.	240
377-315	21 lbs.	255	25 x 13 3/8 x 15 1/4"	12 1/2 + 2 3/4"	377-315F	23 lbs.	270
377-171	22 lbs.	265	25 x 13 3/8 x 18"	13 + 5"	377-171F	25 lbs.	299
377-172	24 lbs.	255	27 x 19 x 12"	8 + 4"	377-172F	27 lbs.	270
377-273	25 lbs.	265	27 x 19 x 14"	8 + 6"	377-273F	28 lbs.	290
377-174	26 lbs.	280	27 x 19 x 16"	8 + 8"	377-174F	29 lbs.	299
377-178	31 lbs.	325	30 x 23 x 12"	8 + 4"	377-178F	32 lbs.	345
377-302	42 lbs.	335	30 x 23 x 14"	8 + 6"	377-302F	44 lbs.	355
377-180	43 lbs.	345	30 x 23 x 16"	8 + 8"	377-180F	45 lbs.	360
377-181	24 lbs.	280	35 1/8 x 18 x 10"	5 + 5"	377-181F	25 lbs.	310
377-182	24 lbs.	315	37 x 22 x 10"	5 + 5"	377-182F	28 lbs.	370
377-183	40 lbs.	450	46 x 23 x 11"	5 1/2 + 5 1/2"	377-183F	45 lbs.	535



Combo Style
(Three Handles)

Master Lock.



Secure Your Container

Cat. No.	Description	Each
40-175	Combo Lock, 1" Shackle	$18.95

Wheeled versions now available!
Select models are available with heavy-duty ball-bearing wheels.
(See page 67).



JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



GSA FSS Contractor

★GSA Contract No.: GS-14F-8847B

ZERO CORPORATION

Airtight/Watertight Roto-Molded Foam-Filled Shipping Containers

- Meets standards ATA 300, Cat. 1; MIL-T-28800; MIL-C-4150; MIL-STD-800
- Pressure relief valve

Extra rugged shipping containers, rotationally molded of durable polyethylene for uniform wall thickness throughout. Permanent gray color, compounded as part of the molding process, stands up to tough abuse without showing wear. Resists most chemicals and solvents, and has a pressure relief valve. Integral tongue-and-groove closure interlocks top and bottom shells. Gasket ensures a watertight seal. Recessed military-style hardware prevents damage. Interlocking raised ribs add strength and easy trouble-free stacking. Lids are completely removable for ease in loading and unloading. Foam-Filled Cases have layered 2 lb. density foam which is easily removed and cut to match your equipment. (USA)

Cat. No.	Inside Dimensions L x W x D	Weight	Each 1-2	3-9
743-301	8 x 8 x 12" (10/2)	7 lbs.	$155	$143
743-100	17 x17 x 14" (9/5)	24 lbs.	250	230
743-103	20 x 20 x 18" (14/4)	35 lbs.	345	317
743-101	22 x 21 x 10" (6/4)	30 lbs.	345	317
743-106	26 x 24 x 23" (18/5)	58 lbs.	565	520
743-102	31 x 13 x 12" (8/4)	25 lbs.	390	359
743-104	34 x 19 x 19" (14/5)	40 lbs.	425	391
743-105	34 x 24 x 16" (12/4)	67 lbs.	555	511

Additional sizes available as special order. Call 800-426-1194

GSA FSS Contractor

★GSA Contract No.: GS-14F-8847B







See Jensencases.com for Rotationally Molded Models.

SKB

Rackmount Cases

- Rugged
- Lightweight
- Economical
- Stackable

Rackmount and Shock-Mount cases provide easy transport/use of rack mounted electrical equipment in the field. Made of ultra-high molecular-weight polyethylene for added strength. Ribs and bumpers absorb shock, vibration and protect the case hardware. Tongue-and-groove aluminum valance with O-ring helps to protect equipment against moisture and dirt. Front and rear mounting rails. Mounting kit included.

Rackmount cases have a rackable depth of 18 1/2" (front rail to rear door).

Shock-Mount cases offer maximum protection with an internal frame mounted on coiled shock absorbers. Rackable depth is 23 1/2" (front rail to rear door). USA

Rackmount Cases

Cat. No.	Description	Inside Dimensions H x W x D	Each 1-2	3-9
356-002	2 Space	3 1/2 x 19 x 15 1/2"	$140	$129
356-004	4 Space	7 x 19 x 15 1/2"	150	138
356-006	6 Space	10 1/2 x 19 x 15 1/2"	175	161
356-008	8 Space	14 x 19 x 15 1/2"	205	189
356-100	10 Space	17 1/2 x 19 x 15 1/2"	230	212
356-120	12 Space	21 x 19 x 15 1/2"	255	235
418-894	Caster Kit		85	78

Shock-Mount Cases

Cat. No.	Description	Inside Dimensions H x W x D	Each 1-2	3-9
356-908	8 Space	14 x 19 x 20"	$399	$367
356-912*	12 Space	21 x 19 x 20"	499	459
356-916*	16 Space	28 x 19 x 20"	599	551
418-891	Caster Kit		142	131

*Too large to ship UPS, must ship via truck
Limited lifetime factory warranty

Moisture and Dust Resistant Shipping Containers

➥ **T-Beam valance for added strength**
➥ **Foam-filled or foam-lined**

Constructed of high density polyethylene with 1/4 turn latches for padlocks, continuous piano hinge and recessed spring-loaded military style handles. Universal stacking feature allows any size case to be stacked on top of another. Unique T-beam valance protects against damage during transit. Molded bumpers protect latches and hinges. Includes recessed 3 x 5" shipping label holders and a rubber gasket to resist moisture and dust. Various sizes to match your shipping needs. Foam is removable and layered for easy cutting to customize the cases to your equipment. Foam-lined versions have 2" of foam on all sides, top and bottom. (USA)



Other sizes available as special order. Also available empty. Call for quote 800-426-1194

Foam-Lined				Inside Dimensions		Foam-Filled			
Cat. No.	Weight	Each 1-2	3-9	L x W x D	Bottom/Lid	Cat. No.	Weight	Each 1-2	3-9
54-750	14 lbs.	$195	$179	18 x 18 x 10"	5 + 5"	54-760	16 lbs.	$205	$189
54-751	17 lbs.	212	195	18 x 18 x 18"	13 + 5"	54-761	21 lbs.	255	235
54-752	30 lbs.	259	238	20 x 20 x 20"	15 + 5"	54-762	33 lbs.	305	281
54-753	23 lbs.	249	229	24 x 24 x 10"	5 + 5"	54-763	26 lbs.	275	253
54-754	25 lbs.	253	233	24 x 24 x 14"	9 + 5"	54-764	28 lbs.	295	271
54-755	27 lbs.	275	253	24 x 24 x 17"	12 + 5"	54-765	30 lbs.	350	322
54-756	34 lbs.	300	276	24 x 24 x 23"	18 + 5"	54-766	41 lbs.	390	359

Regular and Large Circuit Board Cases

➥ **Anti-static foam interior** ➥ **Holds boards up to 15 x 12"**

Super-tough cases with key locks; top, bottom and sides covered with anti-static foam. **Regular Case** measures 17 3/4 x 14 1/2 x 10 1/2" (useable 15 x 11 x 9"). Accommodates up to twelve 11 1/2 x 9" partitions to divide the case side-to-side, or up to nine 15 x 9" partitions to divide front to back. (Eight 11 1/2 x 9" partitions included with case.) **Large Case** measures 19 x 19 x 19" (useable 15 x 15 x 12"). Accommodates up to thirteen 15 x 12" partitions to divide the case as illustrated. (Six 15 x 12" partitions are included with case.) (USA)



Cat. No.	Description	Inside Dimensions L x W x D	Weight	Each 1-2	3-9
377-931	Regular Anti-Static Circuit Board Case	15 x 11 x 9"	14 lbs.	$235	$216
377-940	Large Anti-Static Circuit Board Case	15 x 15 x 12"	16 lbs.	275	253
377-004	Regular Partitions, 4/pk.	11 1/2 x 9"	-	29	27
377-003	Medium Partitions, 3/pk.	15 x 9"	-	22	20
377-002	Large Partitions, 3/pk.	15 x 12"	-	26	24

Extra-Deep Circuit Board Case

➥ **Anti-static foam interior** ➥ **Holds boards up to 21 x 16"**

Heavy-gauge high density polyethylene case with military-style handles, chrome-plated key-locking latches, full-length piano hinge, tongue and groove aluminum valance with rubber O-ring gasket. Board-holding cavity is slotted on all four sides to accept the anti-static partitions sold separately below. The optimum number of **Regular Partitions** is four packages of three each to accommodate a dozen 10 x 16" boards up to 1 1/4" thick (as illustrated). Order **Long Partitions** for large boards up to 21 x 16"; optimum number is two packages of three. (USA)



Cat. No.	Description	Inside Dimensions L x W x D	Weight	Each 1-2	3-9
377-958	Extra-Deep Circuit Board Case	24 1/2 x 13 1/2 x 18"	24 lbs.	$295	$271
377-147	Regular Partitions, 3/pk.	10 x 16"	–	20	18
377-149	Long Partitions, 3/pk.	21 x 16"	–	35	32

platt

NEW

Guardsman® ATA 300 Shipping Cases





- **Foam-Lined or Foam-Filled**
- **Foam-Lined models are lined with 2" of foam on all sides**
- **Foam-Filled models are filled with layers of dense 2 lb. foam**

Perfect for shipping electronic instruments and industrial equipment. Constructed of HMW polyethylene thermoplastic with continuous industrial frame to form strong but lightweight shipping cases. All hardware is recessed for easy stacking and protection during shipping. Full-length piano hinge, heavy-duty twist-draw latches, combination lock and spring-loaded handle. **373-107** and **373-108** come with four ball-bearing wheels and telescoping handle. (USA)

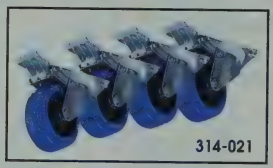
Foam-Lined			Inside Dimensions			Foam-Filled		
Cat. No.	Model	Each	L x W x D	Bottom/Lid	Weight	Cat. No.	Model	Each
373-101	1008L	$269	12 x 8.5 x 14"	11 + 3"	13 lbs.	373-101F	1008F	$289
373-102	1012L	360	16.5 x 10 x 16"	12.5 + 3.5"	20 lbs.	373-102F	1012F	395
373-103	1013L	325	17.5 x 11 x 8"	5 + 3"	15 lbs.	373-103F	1013F	341
373-104	1016L	382	20 x 14 x 12.5"	9 + 3.5"	20.2 lbs.	373-104F	1016F	434
373-105	1018L	454	25.5 x 17.5 x 17.5"	14.5 + 3"	30.8 lbs.	373-105F	1018F	567
373-106	1112L	804	32 x 20 x 12"	8 + 4"	61 lbs.	373-106F	1112F	949
373-107	1016HWL	524	20 x 14 x 12.5"	9 + 3.5"	26.2 lbs.	373-107F	1016HWF	567
373-108	1018HWL	585	25.5 x 17.5 x 17.5"	14.5 + 3"	38.9 lbs.	373-108F	1018HWF	708

Please visit www.jensencases.com for additional sizes or call 800-426-1194.

SKB

NEW

RX Series Rotationally Molded Shipping Containers



Optional Caster Wheels



- **Jensen's most rugged shipping container**
- **ATA 300 Compliant**
- **Select Empty or Foam Lined**

Roto-X series cases are designed to provide maximum protection in shipping environments. These rugged cases are rotationally molded for enhanced durability. Unique exterior design allows for stacking and efficient transport and storage. Recessed heavy-duty twist latches accommodate padlock®. Spring-loaded handles are recessed for added protection. Optional heavy-duty wheels offer maximum mobility. (USA)

Empty (No Foam)				Inside Dimensions			Foam-Lined		
Cat. No.	Each 1-2	3-9	Style	L x W x D	Base/Lid	Weight	Cat. No.	Each 1-2	3-9
314-003	$260	$239	Tool Case	18 x 18 x 14"	9 + 5"	20	314-003F	$299	$275
314-004	271	249	Square	18 x 18 x 18"	14 + 4"	25	314-004F	318	293
Sizes below have molded indentations to accommodate casters									
314-005	284	261	Foot Locker	23 x 18 x 16"	13 + 3"	25	314-005F	339	312
314-007	314	289	Square	24 x 24 x 14"	11 + 3"	32	314-007F	374	344
314-008	357	328	Square	24 x 24 x 18"	15 + 3"	40	314-008F	420	386
314-009	373	343	Square	24 x 24 x 22"	15 + 7"	54	314-009F	439	404
314-013*	555	511	Square	28 x 28 x 22"	14 + 8"	60	314-013F*	630	580
314-015*	525	483	Foot Locker	34 x 26 x 16"	13 + 3"	42	314-016F*	599	551
314-018*	563	518	Foot Locker	37.25 x 21.75 x 21"	15.25 + 6.5"	52	314-018F*	621	571
314-020*	675	621	Foot Locker	50 x 30 x 24"	20 + 4"	89	314-020F*	812	747
314-021	75	69	Optional Caster Wheels	-	-	8	-	-	-

* Too large to ship UPS, must ship via truck. Please visit www.jensencases.com for additional sizes or call 800-426-1194.

JENSEN®

Heavy-Duty Wheeled Shipping Containers

Lightweight and Extremely Tough
Padlockable **Waterproof (but not submersible)**

A safe, economical way to ship electronic devices, computer peripherals, or other sensitive equipment. Made of lightweight high-density polyethylene, similar to airline shipping containers. Strong male/female closures and full-length piano hinges. Clear anodized hardware resists corrosion. Quarter-turn military style latches, molded-in ridges. Spring-loaded steel handles. Rubber gasket helps seal out dirt and moisture. Permanent non-chip white finish is impervious to solvents. Assorted shipping decals (arrows, delicate unit, handle with care) are included. Padlock eyes accept standard padlock.

Foam-Filled models are filled with layers of dense 2 lb. foam.

Foam-Lined containers are lined with 2" of foam on all sides. Foam is removable.

See pages 62-63 for case style images.

Select Foam-Filled or Foam-Lined!



Heavy-duty ball-bearing wheels standard on these containers.



GSA FSS Contractor

GSA Contract No.: GS-14F-8847B
Call for sizes on contract: 800-426-1194

Secure Your Container

Master Lock.

Cat. No.	Description	Each
40-175	Combo Lock, 1" Shackle	$18.95

Cat. No.	Foam-Lined Weight	Each 1-2	3-9	Inside Dimensions L x W x D	Bottom/Lid	Cat. No.	Foam-Filled Weight	Each 1-2	3-9
Attaché Style - 1 Handle									
377-271W	26 lbs.	$270	$248	27 x 19 x 10"	5 + 5"	377-271WF	27 lbs.	$280	$258
377-291W	25 lbs.	270	248	28 7/8 x 17 1/4 x 11"	5 1/2 + 5 1/2"	377-291WF	26 lbs.	300	276
Footlocker Style - 2 Handles									
377-205W	26 lbs.	$300	$276	23 1/2 x 18 1/2 x 17 1/2"	14 + 3 1/2"	377-205WF	30 lbs.	$335	$308
377-215W	41 lbs.	420	386	34 x 25 3/4 x 16"	13 + 3"	377-215WF	52 lbs.	480	442
377-195W	32 lbs.	335	308	35 1/8 x 18 x 15"	10 + 5"	377-195WF	37 lbs.	360	331
377-138W	37 lbs.	380	350	35 1/8 x 18 x 20"	10 + 10"	377-138WF	49 lbs.	415	382
377-372W	41 lbs.	390	356	37 x 22 x 19"	14 + 5"	377-372WF	50 lbs.	435	400
377-221W	39 lbs.	380	350	38 x 22 x 12"	10 + 2"	377-221WF	42 lbs.	415	382
377-414W	33 lbs.	380	350	41 x 14 x 16"	14 + 2"	377-414WF	37 lbs.	400	368
Square-Shaped Style - 2 Handles									
377-150W	27 lbs.	$355	$327	22 x 22 x 17 1/2"	10 1/2 + 7"	377-150WF	32 lbs.	$360	$331
377-152W	33 lbs.	360	331	22 x 22 x 21"	10 1/2 + 10 1/2"	377-152WF	38 lbs.	370	340
377-135W	31 lbs.	360	331	24 x 24 x 17 1/2"	15 + 2 1/2"	377-135WF	39 lbs.	390	359
377-424W	37 lbs.	370	340	24 x 24 x 21 3/4"	15 + 6 3/4"	377-424WF	42 lbs.	400	368
377-153W*	44 lbs.	415	382	24 x 24 x 30"	15 + 15"	377-153WF*	53 lbs.	480	442
377-154W	35 lbs.	415	382	26 1/2 x 26 1/2 x 16"	8 + 8"	377-154WF	42 lbs.	445	409
377-157W	39 lbs.	425	391	26 1/2 x 26 1/2 x 20"	12 + 8"	377-157WF	48 lbs.	450	414
377-207W	45 lbs.	435	400	26 1/2 x 26 1/2 x 23"	13 + 10"	377-207WF	51 lbs.	460	423
377-208W*	45 lbs.	445	409	26 1/2 x 26 1/2 x 26"	13 + 13"	377-208WF*	55 lbs.	470	432
Combo Style - 3 Handles									
377-166W	23 lbs.	$335	$308	22 x 22 x 10"	5 + 5"	377-166WF	24 lbs.	$345	$317
377-167W	24 lbs.	345	317	22 x 22 x 13"	8 + 5"	377-167WF	27 lbs.	355	327
377-168W	25 lbs.	290	267	24 x 24 x 10"	7 1/4 + 2 3/4"	377-168WF	27 lbs.	300	276
377-175W	26 lbs.	300	276	24 x 24 x 13 1/2"	6 3/4 + 6 3/4"	377-175WF	31 lbs.	310	285
377-172W	26 lbs.	280	258	27 x 19 x 12"	8 + 4"	377-172WF	29 lbs.	290	267
377-273W	27 lbs.	290	267	27 x 19 x 14"	8 + 6"	377-273WF	30 lbs.	300	276
377-174W	28 lbs.	300	276	27 x 19 x 16"	8 + 8"	377-174WF	31 lbs.	310	285
377-181W	26 lbs.	315	290	35 1/8 x 18 x 10"	5 + 5"	377-181WF	27 lbs.	325	299
377-182W	26 lbs.	345	317	37 x 22 x 10"	5 + 5"	377-182WF	30 lbs.	360	331

*Too large to ship UPS - must ship via truck.

JENSEN TOOLS INC
Order Lines: 800-426-1194 • 602-453-316
Fax Lines: 800-366-9662 • 602-438-169

platt

Heavy-Duty ATA Cases with Wheels and Telescoping Handle

- ATA 300 compliant
- Spring loaded handle and recessed latches for added durability

Heavy-duty polyethylene ATA cases with **recessed hardware**. The exterior shell is tough impact resistant HMW polyethylene. Heavy-duty aluminum rim and gasket, twist-draw latches, combination lock, full-length piano hinge and spring loaded handle. Filled with pre-cut foam.

Cases include wheels and telescoping handle for convenient transportation. (USA)





Cat. No.	Description	L x W x D (ID)	B/T Lid	Weight	Each 1-4	5-9
373-220W	ATA Heavy-Duty Case	19⅝ x 13¾ x 9"	5/4"	14 lbs.	$295	$271
373-229W	ATA Heavy-Duty Case	21½ x 15½ x 9"	5/4"	18 lbs.	327	301
373-013W	ATA Heavy-Duty Case	23½ x 15 x 11"	5/6"	18 lbs.	320	299
373-012W	ATA Heavy-Duty Case	23¾ x 17¾ x 11"	5½ x 5½"	22 lbs.	334	307
373-011W	ATA Heavy-Duty Case	27½ x 19½ x 11"	5½ x 5½"	27 lbs.	380	350
373-014W	ATA Heavy-Duty Case	25 x 23 x 16"	7/9"	30 lbs.	440	405
373-015W	ATA Heavy-Duty Case	31¾ x 22 x 11"	5½ x 5½"	34 lbs.	399	367

JENSEN by SKB

Medium-Duty Pull Handle Shipping Cases on Wheels

- Choose empty, lined or filled
- ATA 300 compliant

Jensen's line of medium-duty cases feature wheels and telescoping handle for easy transport. Shell is constructed of HDPE polyethylene and features molded-in bumpers and ribs to absorb shock and protect hardware. The tongue & groove aluminum valance adds further styling and strength, and is fitted with a neoprene O-ring gasket to provide a tight, moisture-resistant seal. Locking latches are field replaceable.

GSA FSS Contractor

GSA Contract No.: GS-14F-8847B
Call for sizes on contract:
800-426-1194







Empty				Foam-Lined				Foam-Filled				Dimensions (ID)	
		Price Each				Price Each				Price Each			
Cat. No.	Weight	1-2	3-9	Cat. No.	Weight	1-2	3-9	Cat. No.	Weight	1-2	3-9	L x W x D	B/T Split
356-700	12 lbs.	$175	$161	356-700L	15 lbs.	$199	$183	356-700F	16 lbs.	$214	$197	18 x 18 x 13"	8 + 5"
356-710	15 lbs.	185	170	356-710L	17 lbs.	205	189	356-710F	18 lbs.	215	198	19⅝ x 14 x 10"	6 + 4"
356-720	19 lbs.	195	179	356-720L	21 lbs.	215	198	356-720F	22 lbs.	225	207	22 x 18 x 8"	4½ + 3½"
356-770	22 lbs.	255	235	356-770L	24 lbs.	285	262	356-770F	26 lbs.	305	281	24 x 17 x 14½"	9¼ + 5¼"
356-730	24 lbs.	295	271	356-730L	26 lbs.	329	303	356-730F	29 lbs.	364	335	25 x 23 x 14"	8 + 6"
356-740	31 lbs.	305	281	356-740L	33 lbs.	345	317	356-740F	36 lbs.	397	365	29 x 21½ x 17"	9 + 8"
356-750	42 lbs.	355	327	356-750L	45 lbs.	405	373	356-750F	48 lbs.	458	421	30 x 25 x 15"	7½ + 7½"
356-760	43 lbs.	375	345	356-760L	48 lbs.	435	400	356-760F	55 lbs.	510	469	34 x 26 x 18¾"	11 + 7¾"
356-780	45 lbs.	385	354	356-780L	50 lbs.	445	409	356-780F	57 lbs.	525	483	36½ x 21½ x 19"	11 + 8"

JENSEN®

Shipping Cases with Wheels

- **Lightweight and rugged**
- **Recessed rubber wheels and telescoping handle**
- **Filled with layered 2 lb. density foam**

These rugged cases are constructed of high-density polyethylene and feature quarter turn military-style latches, steel spring-loaded handles, padlock hasp and full-length piano hinge. Two recessed ball-bearing wheels on the bottom corners insure maximum stability and cornering. A sturdy steel telescoping handle retracts into the case when not in use.

Choose from black or silver finish. All sizes also available empty, call 800-426-1194 for prices.



Master Lock.

Secure Your Container

Cat. No.	Description	Each
40-175	Combo Lock, 1" Shackle	$18.95



Recessed ball bearing rubber wheels

GSA Contract No.: GS-14F-8847B

Black	Silver	Inside Dimensions L x W x D	Bottom/Lid	Weight	Price
377-204	377-204S	$21^{3}/_{4}$ x $14^{1}/_{2}$ x 6"	$3^{3}/_{8}$ + $2^{3}/_{4}$"	15 lbs.	$245
377-206	377-206S	$21^{3}/_{4}$ x $14^{1}/_{2}$ x 8"	5 + 3"	17 lbs.	255
377-209	377-209S	$21^{3}/_{4}$ x $14^{1}/_{2}$ x 10"	6 + 4"	18 lbs.	265
377-212	377-212S	$21^{3}/_{4}$ x $14^{1}/_{2}$ x 12"	6 + 6"	19 lbs.	270
377-213	377-213S	$23^{1}/_{2}$ x $17^{3}/_{8}$ x 6"	3 + 3"	21 lbs.	255
377-216	377-216S	$23^{1}/_{2}$ x $17^{3}/_{8}$ x 8"	5 + 3"	22 lbs.	265
377-217	377-217S	$23^{1}/_{2}$ x $17^{3}/_{8}$ x 10"	5 + 5"	23 lbs.	270
377-218	377-218S	$23^{3}/_{4}$ x $20^{5}/_{8}$ x 6"	3 + 3"	22 lbs.	315
377-219	377-219S	$23^{3}/_{4}$ x $20^{5}/_{8}$ x 8"	5 + 3"	24 lbs.	320
377-310	377-310S	$23^{3}/_{4}$ x $20^{5}/_{8}$ x 10"	6 + 4"	26 lbs.	325
377-412	377-412S	$23^{3}/_{4}$ x $20^{5}/_{8}$ x 12"	8 + 4"	28 lbs.	335
377-314	377-314S	$23^{3}/_{4}$ x $20^{5}/_{8}$ x 14"	8 + 6"	29 lbs.	345
377-223	377-223S	$23^{3}/_{4}$ x $20^{5}/_{8}$ x 16"	8 + 8"	30 lbs.	355
377-225	377-225S	$25^{13}/_{16}$ x $17^{1}/_{2}$ x 6"	3 + 3"	22 lbs.	290
377-608	377-608S	$25^{13}/_{16}$ x $17^{1}/_{2}$ x 8"	5 + 3"	23 lbs.	300
377-226	377-226S	$25^{13}/_{16}$ x $17^{1}/_{2}$ x 10"	6 + 4"	24 lbs.	310
377-612	377-612S	$25^{13}/_{16}$ x $17^{1}/_{2}$ x 12"	8 + 4"	25 lbs.	315
377-661	377-661S	$25^{13}/_{16}$ x $17^{1}/_{2}$ x 14"	8 + 6"	26 lbs.	325

Black	Silver	Inside Dimensions L x W x D	Bottom/Lid	Weight	Price
377-228	377-228S	$25^{13}/_{16}$ x $17^{1}/_{2}$ x 16"	8 + 8"	27 lbs.	$335
377-231	377-231S	$25^{3}/_{4}$ x $25^{3}/_{4}$ x 8"	5 + 3"	27 lbs.	380
377-232	377-232S	$25^{3}/_{4}$ x $25^{3}/_{4}$ x 10"	6 + 4"	30 lbs.	390
377-665	377-665S	$25^{3}/_{4}$ x $25^{3}/_{4}$ x 12"	8 + 4"	33 lbs.	400
377-233	377-233S	$25^{3}/_{4}$ x $25^{3}/_{4}$ x 14"	8 + 6"	35 lbs.	405
377-234	377-234S	$25^{3}/_{4}$ x $25^{3}/_{4}$ x 16"	8 + 8"	38 lbs.	415
377-021	377-021S	27 x 19 x 10"	6 + 4"	25 lbs.	325
377-022	377-022S	27 x 19 x 12"	8 + 4"	27 lbs.	335
377-663	377-663S	27 x 19 x 14"	8 + 6"	28 lbs.	345
377-235	377-235S	27 x 19 x 16"	8 + 8"	29 lbs.	355
377-236	377-236S	30 x 23 x 10"	6 + 4"	30 lbs.	405
377-237	377-237S	30 x 23 x 12"	8 + 4"	32 lbs.	415
377-238	377-238S	30 x 23 x 14"	8 + 6"	34 lbs.	425
377-239	377-239S	30 x 23 x 16"	8 + 8"	36 lbs.	435
377-240	377-240S	30 x 30 x 10"	6 + 4"	39 lbs.	425
377-667	377-667S	30 x 30 x 12"	8 + 4"	41 lbs.	435
377-241	377-241S	30 x 30 x 14"	8 + 6"	43 lbs.	445
377-242	377-242S	30 x 30 x 16"	8 + 8"	46 lbs.	450

JENSEN TOOLS INC.
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Fax Lines: 800-366-9662 • 602-438-1690





Roto-Rugged "Tote" Foam-Filled Cases

- Rotationally molded for strength
- Durable under heavy use
- 4 wheels and telescoping handle

GSA Contract No.: GS-14F-8847B

Rotationally molded construction provides extra strength and durability. Uniform wall thickness and extra-thick corners resist impact damage. Telescoping handle extends to 41" and stores flush in case when not in use. Features include black powder-coated tongue-and-groove valance that resists scratches, recessed military-style quarter-turn latches, ball-bearing wheels, full-length piano hinge, spring-loaded handles and padlock hasp.

Each case is filled with layers of 2" foam. Foam cutting knife is included. Choose between black and charcoal exterior colors. One year warranty.

Black	Charcoal	L x W x D (ID)	Bottom/Lid	Weight	Each 1-2	3-9
377-881	-	17 3/4 x 14 1/2 x 8"	5 1/2 + 2 1/2"	16	$290.00	$267.00
377-882	415-406	17 3/4 x 14 1/2 x 10"	7 + 3"	19	306.05	288.00
377-883	415-227	17 3/4 x 14 1/2 x 12"	9 + 3"	20	316.15	297.00
415-407	415-409	24 7/8 x 14 1/2 x 9"	6 1/2 + 2 1/2"	21	335.30	315.00
415-408	415-410	24 7/8 x 14 1/2 x 10"	7 1/2 x 2 1/2"	22	344.40	324.00
407-422	415-411	24 7/8 x 14 1/2 x 12"	9 + 3"	23	354.50	333.00
407-424	415-412	24 7/8 x 14 1/2 x 14"	11 + 3"	25	363.60	342.00
407-423	415-413	24 7/8 x 14 1/2 x 16"	13 + 3"	27	373.70	351.00
407-425	415-414	24 7/8 x 14 1/2 x 18"	15 + 3"	29	382.80	360.00
415-415	415-416	25 x 22 x 12"	9 + 3"	30	403.00	379.00
415-417	415-418	25 x 22 x 14"	11 + 3"	32	421.15	396.00
415-419	415-420	25 x 22 x 16"	13 + 3"	27	440.35	414.00
415-421	415-422	25 x 22 x 18"	15 + 3"	29	459.55	432.00
415-423	415-424	28 x 22 x 12"	9 + 3"	34	412.10	387.00
415-425	415-426	28 x 22 x 14"	11 + 3"	36	431.25	405.00
415-427	415-428	28 x 22 x 16"	13 + 3"	38	450.45	423.00
415-429	415-430	28 x 22 x 18"	15 + 3"	39	469.65	441.00
415-431	415-432	28 x 22 x 20"	17 + 3"	41	488.85	460.00
415-433	415-434	37 x 25 x 12"	9 + 3"	48	508.05	478.00
415-435	415-436	37 x 25 x 14"	11 + 3"	50	517.10	486.00
415-437	415-438	37 x 25 x 16"	13 + 3"	51	527.20	496.00
415-439	415-440	37 x 25 x 18"	15 + 3"	53	536.30	504.00
415-441	415-442	37 x 25 x 20"	17 + 3"	56	546.40	514.00
377-177	Replacement wheel assembly for cases with 28" length & smaller				9.00	8.00
418-893	Replacement wheel assembly for cases with 37" length				10.00	9.00

PELICAN®

Airtight & Watertight Rollaway Foam-Filled Case





Now with retractable 7" pull handle

➥ Purge valve for pressure release ➥ Full 1/4" thick walls
➥ Factory lifetime warranty

Built "Pelican-tough" to protect your valuables. Thick wall construction, seven latches, three handles and two rubber wheels provide total security and mobility. Pick-n-pluck foam in bottom and convoluted foam in lid. Outside measure is 31 1/2 x 20 3/4 x 11 1/2". (USA)

Cat. No.	Description	L x W x D (ID)	Weight	Each 1-4	5-9
432-411	1650 Rollaway Case	29 x 18 x 10"	23 lbs.	$270	$248



PELICAN®

NEW

Combination Lock by Pelican®

Cat. No.	Description	Each
432-001	Lock	$9.95



Airtight and Watertight Rollaway Foam-Filled Case

➥ Pressure purge valve ➥ Full 1/4" thick walls ➥ Factory lifetime warranty

This rugged case is built Pelican tough and incorporates a variety of exclusive features such as three fold-down handles, locking retractable handle that extends to 37", purge valve and two "quiet roll" wheels. Pick-n-pluck foam in bottom and convoluted foam in lid. Holds loads up to 50 lbs. Outside measures 24 5/8 x 19 5/8 x 14" (432-412) and 24 5/8 x 19 1/2 x 12" (415-205) USA.

Cat. No.	Description	L x W x D (ID)	Weight	Each 1-4	5-9
415-205	1610 Rollaway Case (blk)	22 1/4 x 17 1/8 x 10 1/2"	23 lbs.	$230	$214
432-412	1620 Rollaway Case (blk)	22 1/4 x 17 1/8 x 12 1/2"	25 lbs.	255	235



432-412

JENSEN®

Roto-Rugged Shipping Cases

NEW



➥ Rotationally molded for strength
➥ Durable under heavy use
➥ Available in Black or Charcoal

Rotationally molded construction provides extra strength and durability. Uniform wall thickness and extra-thick corners resist impact damage. Features include black powder-coated tongue-and-groove valance that resists scratches, full-length piano hinge, ball bearing lid stays, two key latches and combination lock. Each case is filled with layers of 2" foam. Foam cutting knife is included. One year warranty.

Part No.	Color	L x W x D (ID)	Bottom/Lid	Weight	Price 1-2	3-9
116-784	Black	17 3/4 x 14 1/2 x 6 1/2"	3 3/4 + 2 3/4"	10 lbs.	$156.00	$147.00
415-400	Charcoal	17 3/4 x 14 1/2 x 6 1/2"	3 3/4 + 2 3/4"	10 lbs.	156.00	147.00
116-786	Black	17 3/4 x 14 1/2 x 7 3/4"	5 + 2 3/4"	11 lbs.	161.00	151.00
415-401	Charcoal	17 3/4 x 14 1/2 x 7 3/4"	5 + 2 3/4"	11 lbs.	161.00	151.00
116-789	Black	17 3/4 x 14 1/2 x 9"	5 + 4"	12 lbs.	165.00	155.00
415-402	Charcoal	17 3/4 x 14 1/2 x 9"	5 + 4"	12 lbs.	165.00	155.00
405-918	Black	17 3/4 x 14 1/2 x 10 3/4"	8 + 2 3/4"	13 lbs.	171.00	161.00
415-403	Charcoal	17 3/4 x 14 1/2 x 10 3/4"	8 + 2 3/4"	13 lbs.	171.00	161.00
403-689	Black	17 3/4 x 14 1/2 x 12"	8 1/2 + 3 1/2"	14 lbs.	189.00	178.00
415-404	Charcoal	17 3/4 x 14 1/2 x 12"	8 1/2 + 3 1/2"	14 lbs.	189.00	178.00



JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



PELICAN®

Foam-Filled Cases

- Airtight/watertight
- Crush proof
- Lifetime factory warranty

GSA FSS Contractor
★GSA Contract No. GS-14F-8847B

Constructed of ultra high impact structural polypropylene. Meets or exceeds military specifications. These lightweight cases feature an exclusive 1/4" neoprene "O" ring, padlockable flanges and multiple heavy-duty latches. Cases are watertight to 30', airtight and dust proof. An atmospheric pressure purge valve compensates for changes in temperature and altitude. Filled with pick-n-pluck foam in the bottom and convoluted foam in the lid. (USA)

		Inside Dimensions		
Cat. No.	Description	L x W x D	Each 1-4	5-9
432-120	Black Case	9 1/4 x 7 1/2 x 4 1/2"	$49	$45
432-408	Black Case	12 1/4 x 9 1/4 x 5 1/4"	80	74
432-500	Black Case	17 x 11 3/4 x 6"	122	112
432-409	Black Case	18 x 12 3/4 x 6 3/4"	134	123
432-550	Black Case	19 x 14 x 7 3/4"	153	141
432-551	High Visibility Orange	19 x 14 x 7 3/4"	153	141
432-600	Black Case	22 x 17 x 8"	180	166
432-001	Combination Lock	See page 71	10	–



ZERO CORPORATION

GSA FSS Contractor
★GSA Contract No. GS-14F-8847B

Centurion Elite Foam-Filled Aluminum Cases

- Pre-stressed aluminum shell
- Brushed satin finish

These handsome, prestigious cases are made of seamless deep-drawn, heat-treated aluminum. Lightweight yet strong enough to stand on. Tongue and groove closure is fitted with a resilient neoprene gasket, so when the case is shut the gasket compresses to form a moisture and dust-resistant seal.

Other quality features include a full-width piano-hinge, chrome-plated sure-locking latches, three-digit combination lock and matching Tennite handle. Convoluted foam in the lid provides additional protection. (USA)

		Inside Dimensions		
Cat. No.	Description	L x W x D	Each 1-2	3-9
2-900	Foam-Filled Aluminum Case	12 x 9 x 5"	$199	$183
2-903	Foam-Filled Aluminum Case	18 x 13 x 6"	239	220
2-931	Foam-Filled Aluminum Case	21 x 13 x 6 1/2"	279	257
2-932	Foam-Filled Aluminum Case	21 x 17 x 7 1/2"	319	293
2-938	Foam-Filled Aluminum Case	24 x 18 x 8 1/2"	389	358
2-943	Foam-Filled Aluminum Case	29 x 20 x 10"	469	431



4-Sided Foam-Filled Equipment/Tool Case

- High visibility
- Customize foam with over 1000" sq. of layout space
- Durable, versatile and convenient for tools, meters, spares, etc.

A unique, four-section case design features 2" of foam in outside sections, and 1 3/4" of foam in both center sections. Features see-through retainer panels to keep contents secure. Case shell is vacuum formed of high density polyethylene; valance is extruded aluminum. Additional features include full-length piano hinges, spring-loaded, military-style handles and 1/4-turn latches. 14 lbs. (USA)

		Inside Dimensions		
Cat. No.	Description	L x W x D	Each 1-4	5-9
54-194	Foam-Filled Case	18 x 14 1/4 x 8"	$180	$166

GSA Contract No.: GS-14F-8847B

Super Tough Foam-Filled Cases

- **Strong enough to use as shipping containers**
- **Full-length piano hinges**
- **Key locking latches**

Truly rugged cases made of tough high-density polyethylene. Feature full-length piano hinges, tongue and groove aluminum valances, chrome-plated lockable latches, and filled with layers of 1" foam. Permanent gray color won't fade, chip or mar. (Note: Only case **377-555** opens a full 180° and includes a hinged flap in the lid with a locking turn buckle to prevent items from falling out.) Foamcutting knife included. One year warranty. (USA)

Cat. No.	L x W x D (ID)	Bottom/Lid	Weight	Each 1-2	3-9
377-220	20 3/4 x 16 1/4 x 8 3/4"	5 3/4 / 3 3/4"	11 lbs.	$190	$175
377-925	18 x 14 3/4 x 9"	5 1/4 / 4 1/4"	9 lbs.	165	152
377-115	18 x 14 3/4 x 11 1/4"	7 1/4 / 4"	14 lbs.	180	166
377-555	18 x 14 3/4 x 10"	6 / 4"	14 lbs.	180	166
377-775	18 x 14 3/4 x 6 1/2"	3 1/2 / 3"	9 lbs.	155	143



GSA Contract No.: GS-14F-8847B

Deluxe Polyethylene Protective Cases

- **Available with layered or pre-cut foam**

Silver gray color won't fade, chip or mar. Full-length piano hinge, tongue and grove aluminum valance, and chrome-plated lockable latches. Dimensions are 23 1/2" x 17 1/2" x 8". Bottom/Lid split is 5/3". One year warranty.

Layered Foam Model has layered foam in the bottom and convoluted foam in the lid.

Pre-cut Foam Model has pre-cut foam in the bottom and convoluted foam in the lid. Pre-cut foam is cut in a checkerboard pattern, making it easy to match the shape of cameras, instruments and other sensitive gear. (USA)

Cat. No.	Description	Weight	Each 1-2	3-9
377-340	Case w/Layered Foam	16 lbs.	$215	$198
377-029	Case w/Pre-cut Foam	16 lbs.	215	198



platt
Professional cases for business and industry

Low Cost Blow Molded Cases

- **Low cost solution to customizing your own cases**
- **Chemical, dent, crack and scuff resistant**

Shell is made from high density polyethylene with double wall construction. Hardware features mechanical latches that can be replaced in the field. Interior has pre-cut cubed foam in the body and egg crate foam in the lid. (USA)

Cat. No.	L x W x D (ID)	Weight	Each 1-4	5-9
373-702	9 1/2 x 6 x 2 5/8"	2 lbs.	$19.00	$17.00
373-703	11 x 7 x 3 3/8"	2 lbs.	28.00	26.00
373-704	12 1/2 x 9 x 5 1/8"	2 3/4 lbs.	37.00	34.00
373-705	14 x 10 x 4"	3 lbs.	45.00	41.00
373-706	16 x 11 x 2 7/8"	3 1/2 lbs.	44.00	40.00
373-707	17 3/4 x 12 3/4 x 6 5/8"	5 1/2 lbs.	88.00	81.00



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Fax Lines: 800-366-9662 • 602-438-1690

Professional Cases for Business and Industry



How to Select a Foam–Filled Case

Measure piece(s) of equipment. Add 4" to each dimension to determine length, width and height of foam. If more than one piece is to be stored in the same container, allow 2" of foam between the items. 2" of 2 lb. density foam will normally provide adequate protection for your equipment.

For additional assistance, or if you don't see the exact size you need, please call 800-426-1194.

platt
Professional cases for business and industry

GSA FSS Contractor

All products on this page are available under GSA Contract No.: GS-14F-8847B

Light-Duty ABS Series

Light-duty, black, scuff resistant molded ABS thermoplastic forms the tough shell of these cases. Extruded aluminum rim, drawbolt key locks, and strong molded handle. The interior is filled with three-piece polyether foam with pre-cut cubed foam layer over bottom cushion. The lid is filled with convoluted (egg crate) foam. One year warranty. (USA)

Cat. No.	L x W x D (ID)	Bottom/Lid	Weight	Each 1-4	5-9
373-412	12 x 9 x 5"	3/2"	6 lbs.	$62	$57
373-416	16 x 12 x 5"	3/2"	5 lbs.	73	67
373-425	18 x 13 x 7"	4/3"	10 lbs.	99	91



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Professional cases for business and industry

Medium-Duty ABS Series

Heavy-duty grained ABS with extruded aluminum frame, golf grip handle, cast chrome key locks and piano hinge. Interior is filled with three-piece polyether foam with pre-cut cubed foam layer over bottom cushion. The lid is filled with convoluted (egg crate) foam. One year warranty. (USA)

Cat. No.	L x W x D (ID)	Bottom/Lid	Weight	Each 1-4	5-9
373-007	20 x 14 x 7"	4/3"	11 lbs.	$119	$109
373-207	22 x 16 x 7"	4/3"	12 lbs.	139	128



377-511

JENSEN®

ROTA-TOUGH™

Foam-Filled Shipping Case

- Rotationally molded for strength
- Durable under heavy use

Rotationally molded construction provides extra strength and durability. Uniform wall thickness and extra-thick corners resist impact damage. Features include black powder-coated tongue-and-groove valance that resists scratches, full-length piano hinge, ball bearing lid stays and two key-lock latches. Three year warranty.

377-511 is filled with layers of 2" pre-cut foam in the bottom, and convoluted foam in the lid. **377-833** is filled with layers of 1" pre-cut foam (bottom and lid).

Cat. No.	L x W x D (ID)	Bottom/Lid	Weight	Each 1-2	3-9
377-511	17 3/4 x 14 1/2 x 7 1/2"	5.25/2.5"	9 lbs.	$150	$138
377-833	17 3/4 x 14 1/2 x 10"	7/3"	10 lbs.	165	152

3 YEAR WARRANTY

(for details see page 5)



Laptop not included

@HAND Laptop Computer Case

Compact and lightweight computer case is manufactured with water-resistant materials. Computer area is padded for secure carrying and allows ample storage for CD's, floppy disks, business cards and documents. A second section features movable dividers for cables and accessories. Briefcase section allows for easy access to your cell phone, pens and more. Outside pocket provides quick access to airline tickets and documents. Removable shoulder strap included. Fits computers up to 13 1/2 x 12 x 2". Overall size is 16 1/4 x 12 1/4 x 5 1/4".

Cat. No.	Description	Each
486-101	Computer Case	$59



Laptop not Included

@HAND Cyber Case Boxer Computer & Printer Case

Strong and durable, injection molded, European design case for transporting any size portable computer, printer and accessories. Computer held on pallet and is configurable to exact dimension. Bottom has cubed foam to hold portable printer, scanner, zip drive or other accessories. Key lock, hinged latches, document holder in lid. 17 x 13 1/2 x 6 1/4".

Cat. No.	Description	Each
486-100	Cyber Computer & Printer Case	$155.00

JENSEN® *Ultima*™ Soft-Sided Computer & Business Cases

- Rugged Cordura® Plus construction
- Water and stain resistant
- Exceptional quality



Portable Computer Case



Computer/ Business Case

Laptop not Included

Portable Computer Case

Provides ample space for computer, cell phone, power supply and accessories. Adjustable Velcro dividers, document pocket in lid, one zipper and two flap pockets on outside of case. Padded handle and shoulder strap for comfort. 17 1/2 x 11 1/2 x 5".

Computer/Business Case

This roomy soft-sided case can carry a laptop or notebook computer plus all your necessary business materials. Padded computer pocket is suspended for added protection. One side holds the computer and accessories while the other holds documents, note pad, cell phone, pens etc. Two exterior flap pockets are full size and gusseted. Rear flap contains two zippered pockets providing easy access to airline tickets, etc. Removable shoulder strap included. Fits computers up to 12 1/4 x 7 1/2 x 2"; overall size 16 x 11 1/2 x 6 1/2".

Cat. No.	Description	Each
216-555	Portable Computer Case	$149
216-638	Computer/Business Case	$130



Laptop Computer Case

Airtight and watertight protection for your valuable laptop computer. Computer accessories fit conveniently underneath computer in a removable shock-absorbing tray. Padded protective lid organizer holds folders, computer disks, cellular phone and more. Features keyed locking latch, neoprene O-ring seal and exclusive purge valve. Removable shoulder strap included. Fits computers up to 14 x 10 7/8 x 2 1/2"; overall size 19 7/16 x 14 x 4 3/4". Lifetime factory guarantee.

Cat. No.	Description	Each
432-651	Laptop Computer Case, Black	$199
432-001	Combination Lock (see page 71)	10



Laptop not included

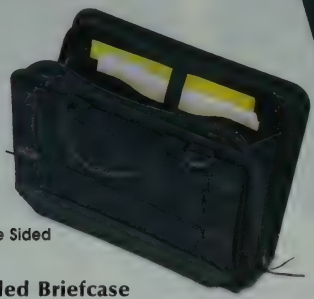
JENSEN® Laptop Computer Case

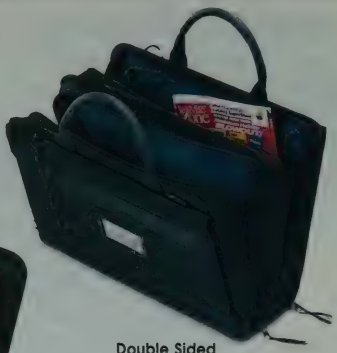
Monaco style, durable rotationally molded construction, lined with textured fabric. Bottom is filled with diced foam. Features document pouch in the lid, two keylock latches and a 3-digit combination lock. 17 3/4 x 14 x 5".

Cat. No.	Description	Each
377-806	Laptop Case	$179

JENSEN® Ultima™ Multi-Purpose Cases

- Rugged Cordura® Plus construction
- Water and stain resistant
- Exceptional quality


Single Sided


Double Sided

Single Sided Briefcase

Contains ten internal pockets for easy storage of documents, cell phone, diskettes etc. Expandable two file compartment. Three exterior flap pockets are full size and gusseted. Front flap contains two zippered pockets providing quick access to airline tickets, eyeglasses etc. Removable shoulder strap included.

Double Sided Briefcase

This spacious soft-sided case can carry all necessary business materials. Fifteen internal pockets allow for easy storage of documents, cell phone, diskettes and more. Exterior flap pockets are gusseted. Rear flap contains a zippered pocket providing quick access to airline tickets, eyeglasses etc. Removable shoulder strap included.

Cat. No.	Description	Dimensions	Each 1-4	5-9
216-352	Single Sided Briefcase	15 x 11 x 3"	$70	$64
216-304	Single Sided Briefcase	16 x 12 x 4"	80	74
216-720	Double Sided Briefcase	15 x 11 x 5"	99	91
216-403	Double Sided Briefcase	16 x 12 x 5"	119	109
216-691	Double Sided Briefcase	17 x 13 x 6 1/2"	129	119

Field-Pro Disk Organizers

- Lifetime manufacturer's warranty
- Superior computer media protection


Disk Manager

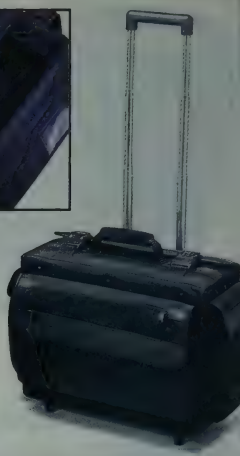
Disks and CDs not included


Disk Library

These quality disk organizers have three-way protection to provide superior safety for your valuable data. Unique shielding layer is built in to block 99.9% of electromagnetic fields. Bond-resistant reinforcing layer with foam padding guards delicate plastic disk enclosures. Moisture resistant exterior protects from weather. Choose from three styles and capacities.

Cat. No.	Style	Capacity	Media	Each 1-4	5-9
645-135	Disk Library	20	3.5" Disk	$25	$23
645-223	Disk Manager	24	3.5" Disk	39	36
645-230	Disk Manager	12+12	CD/3.5" Disk	39	36
645-233	Repl. Pages for Disk Manager, 6/pk.	–	3.5" Disk	8	–
645-238	Repl. Pages for Disk Manager, 6/pk.	–	CD Rom	8	–




216-912

Catalog Case

- With or without Wheels/Telescoping Handle

You will be amazed at how much "stuff" these cases hold. Features combination locks, large padded web strap handle and a unique drop front that allows for easy access to contents. Inside are two collapsible dividers plus a zipper utility pocket on the interior of large top flap. Version without wheels/telescoping handle features a shoulder strap. Five outside pockets include a 17 x 10 x 1 1/2" flap pocket, two 6 x 11 x 1 1/2" end pockets and a 17 x 8" slit pocket. 20 x 9 x 14".

Cat. No.	Description	Wt.	Each 1-4	5-9
216-912	Case w/Wheels & Handle	10 lbs.	$225	$207
216-911	Case only	6 lbs.	150	138

KRYPTONITE® Motion Sensor Alarm

NEW





- Protection for your tool kit, luggage or laptop computer

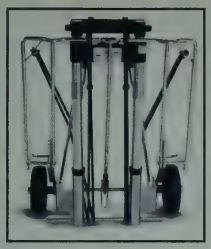
Three-foot retractable vinyl-coated steel cable attaches to valuables. Three user-selectable security levels: lowest level sounds alarm if cable is cut or removed. If needed, two levels of motion detection sensitivity may be selected to provide highest security. Surround-sound 110dB alarm. Flashing LED warns thieves alarm is activated. Included docking attachment/slot adapter attaches directly to valuable/stationary object with high-strength adhesive tape. Resettable 3-digit combination locks the cable, battery compartment and docking attachment. Requires one 9V battery included. Two-year manufacturer's warranty.

Cat. No.	Description	Each
318-001	Motion Sensor Alarm	$69.00

For replacement batteries, see page 311



901-800 Shown Loaded



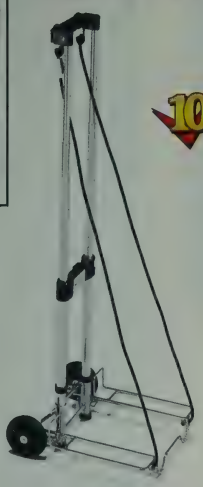
All Carts Fold for Compact Storage

Remin

Kart-A-Bag® Heavy-Duty Travel Carts

➥ **Double-telescoping aluminum frame**

Lightweight, collapsible travel carts fold up and store easily in a car trunk and can be checked or carried on an airplane. Ideal for transporting luggage, tool kits, test equipment and other heavy objects. Sturdy, double-telescoping, self-locking frame allows you to open or close cart with one easy motion. Permanently attached stretch cords are adjustable to hold loads securely. Steel platform base. Step slider smoothly slides carts up or down steps. **901-600, 901-800** have solid rubber wheels.



901-200



901-600



901-800

Cat. No.	Mfr. No.	Capacity	Extended Height	Collapsed Dimensions	Platform	Wheels	Weight	Each
901-200	CONCORDE II	150 lbs.	41"	18½ x 11½"	9½"	4"	7 lbs.	**$92.50**
901-600	600	300 lbs.	49"	20¼ x 12½"	16"	5"	11 lbs.	**139.00**
901-800*	800	300 lbs.	49"	20¼ x 12½"	16"	6"	20 lbs.	**185.00**

***901-800** Can be used as a 2 or 4 wheel cart by raising or lowering the patented back-support wheel assembly. Back-support features two 3" swivel casters for total mobility.

pfc™

Portable Folding Carts

Deluxe collapsible luggage carts made of the finest quality chrome or black steel tubing. Feature large diameter easy-rolling wheels, sturdy platform extension, heavy-duty straps, patented handle lock mechanism, strong steel structure, and black foam grips. (Wheels and straps not included in warranty.)



Black: 247-750



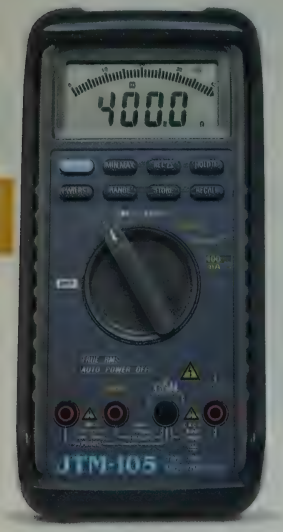
Black: 247-950



Black: 247-050

Cat. No.	Mfr. No.	Capacity	Extended Height	Collapsed Dimensions	Weight	Platform	Wheels	Finish	Each 1-5	6-11
247-750	750	200 lb.	40"	24 x 13 x 7"	9 lbs.	10 x 12"	6"	Black	$43.00	$39.00
247-950	950	250 lb.	43"	25 x 17 x 7"	11 lbs.	14 x 14"	6"	Black	60.00	54.00
247-050	1050	275 lb.	46"	27 x 17 x 8"	13 lbs.	14 x 13"	7"	Black	80.00	72.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690





	JTM-105	JTM-103
DC Voltage: Range / Accuracy / Resolution	400mV-1000V / ±0.1% / 0.1mV in 400mV range	400mV-1000V / ±0.25% / 0.1mV in 400mV range
AC Voltage: Range / Accuracy / Resolution	4V-750V true RMS / ±1.0% / 1mV in 4V range	4V-750V / ±1.3% / 1mV in 4V range
Current: Range / DCA Accuracy / ACA Accuracy / Resolution	1mA-400mA, 10A / ±0.4% ±0.8% / ±1.0% / 1µA in 4mA range	1mA-400mA, 10A / ±0.7% ±1.3% / ±1.3% ±2.0% / 1µA in 4mA range
Resistance: Range / Best Accuracy / Resolution	400Ω-40MΩ / ±0.4% ±0.6% / 0.1Ω in 400Ω range	
Continuity Beeper	✓	✓
Diode Test	✓	✓
Capacitance: Range / Accuracy / Resolution	4nF-40mF / ±1% thru 20µF, ±5% >20µF / 1pF in 4nF range	
Frequency: Range / Accuracy / Resolution	100Hz-1MHz / ±1.0% / 0.01Hz in 100Hz range	
Battery (alkalines included)	2 x AAA	1 x 9V

Top of the Line Meters

➥ **Auto ranging** ➥ **True RMS available** ➥ **Analog bar-graph**

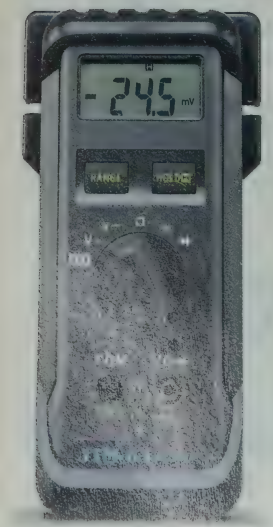
Our best meters designed for the professional engineer and technician. Quality design and construction and all the features you require, all backed by Jensen, the leading supplier to high-tech industries. Meters are tested to withstand a 6' drop onto concrete (w/o holster), the large high-contrast display is shock mounted, and we use high energy fuses for input protection. The rotary switch is designed for years of use. Sealed case locks out contaminants.

Meets or exceeds Shock-MIL-T-28800, Dust/Water Protection-IP 64, Safety-IEC 1010-1 1000V. Comes with test leads, batteries and manual. Dimensions 3.9 x 7.9 x 2" with holster, 21.2 oz. Three year warranty.

	Cat. No.	Description	Each
	JTM-105	True RMS DMM	$219.00
	JTM-103	3 3/4 Digit DMM	179.00
24	JTM-105-C	True RMS DMM with Calibration Certificate	269.00
24	JTM-103-C	3 3/4 Digit DMM with Calibration Certificate	229.00

For replacement batteries, see page 311

Jensen ships the JTM Calibrated Meters with this symbol within 24 hours. 24





JTM™-60 Series Low Cost Pocket Sized Meter

➥ **Autoranging** ➥ **Perfect for light duty**

Designed for industrial and electronic technicians who require the basics but don't need the features and cost of high-end meters. Even so, this meter doesn't scrimp on value and durability. It is shock proof from 4' drops with its protective holster which doubles as a tilt stand. It has data hold for hard to see measurements. It has a diode test and continuity beeper. And it is autoranging for ease-of-use. Complete with test leads, manual and two AAA batteries.

	JTM-69	JTM-63
DC Volts	320.0mV~600V, ±0.5%	200mV-600V, ±1.8%
AC Volts	3.200V~600V, ±1.5%	2V-600V, ±1.9%
DC Amps	320.0µ~10.00A, ±2.5%	320.0µ, ±1.0%
AC Amps	320.0µ~ 10.00A, ±1.5%	
Resistance	320.0Ω~ 32.00MΩ, ±0.85	200Ω-20MΩ
Capacitance	3.200µF ~ 3200µF, ±1.9%	

	Cat. No.	Description	Each
	JTM-69	Pocket Sized DMM	$80.00
	JTM-63	Pocket Sized DMM	65.00
24	JTM-69-C	DMM w/Calibration Certificate	110.00
24	JTM-63-C	DMM w/Calibration Certificate	95.00
	23-604	Soft Carry Case	19.00

For replacement batteries, see page 311

JTM™-90 Industrial Multimeters

➥ **Beep-Guard warns of incorrect lead placement**

➥ **True RMS available** ➥ **Protective holster**

Designed for heavy use with features found in meters costing much more. Troubleshoot electronic equipment with high accuracy, logic test and frequency counter while useful in electrical testing with a 20-amp range and capacitance. All have diode test, continuity beeper, and are shock-proof to 5' onto concrete (w/o holster). Only the **JTM-95** features a logic tester. The **JTM-97** has water-tight seals on the case halves, switch and jacks and is IP 64 rated. Meters incorporate patented high reliability rotary switch. All models meet IEC 1010 and UL 3111. Test leads, holster, two AA and one 9V battery included. Three year warranty. (Taiwan)

	JTM-97	JTM-95	JTM-93
DC Voltage:			
Ranges	320mV-1000V	400mV-600V	200mV-600V
Accuracy	±0.3%	±0.5%	±0.5%
Resolution	0.1mV	0.1mV	0.1mV
AC Voltage:	**True RMS**		
Ranges	3.2-750V	400mV-600V	200mV-600V
Accuracy	±1.3%	±1.3%	±1.3%
Resolution	1mV	1mV	1mV
Current: (20A for 20sec)	**True RMS AC**		
Ranges	320µA-20A	400µA-20A	200µA-20A
Accuracy	±1% DC ±1.5% AC	±1% DC ±1.5% AC	±1% DC ±1.5% AC
Resolution	0.1µA	0.1µA	0.1µA
Resistance:			
Ranges	320Ω-32MΩ	400Ω-40MΩ	200Ω-20MΩ
Accuracy	±0.5%	±0.75%	±0.75%
Resolution	0.1Ω	0.1Ω	0.1Ω
Frequency:			
Ranges		4kHz-30MHz	2kHz-200MHz
Accuracy	N/A	±1%	±1%
Resolution		1Hz	1Hz
Capacitance:			
Ranges		4nF-40µF	2nF-200µF
Accuracy	N/A	±2%	±2%
Resolution		1pF	10pF



JTM-93



JTM-97



JTM-95

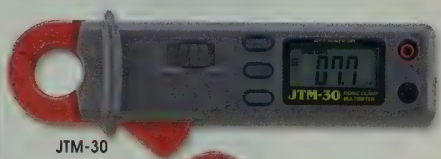
	Cat. No.	Description	Each
	JTM-97	True RMS Industrial Multimeter	$159.00
	JTM-95	Industrial Multimeter	129.00
	JTM-93	Industrial Electricians Multimeter	105.00
24	JTM-97-C	True RMS Industrial Multimeter w/Calibration Cert.	209.00
24	JTM-95-C	Industrial Multimeter w/Calibration Certificate	179.00
24	JTM-93-C	Industrial Electricians Multimeter w/Calibration Cert.	155.00

For replacement batteries, see page 311

JTM™-30 Clamp Meters

Perfect for electrical work, each clamp is autoranging, saving you time. The **JTM-30** is a miniature AC/DC current clamp meter which accepts up to 22mm conductors. The **JTM-33** is a true RMS AC only meter with display hold. It is 4' drop tested and accepts up to 40mm conductors. The **JTM-39** is the top-of-the-line, all-in-one AC/DC true RMS meter with frequency measurement via the clamp. It can accept 51mm conductors or 24 x 60mm bus bars. It is also drop tested at 4'. Each meter comes with test leads, manual and batteries. Three year warranty. (Taiwan)

Jensen ships the JTM Calibrated Meters with this symbol within 24 hours. 24



JTM-30

	JTM-30	JTM-33	JTM-39
DC Voltage:			
Range	400mV-600V		400V-600V
Accuracy	±0.5%		±1.2%
Resolution	0.1mV		0.1V
AC Voltage:			
Range	400mV-600V	400V, 600V	400V, 600V
Accuracy	±1.5%	±1.2%	±0.7%
Resolution	1mV	0.1V	0.1V
AC Current:			
Range	40A, 300A	400A, 600A	400A, 1000A
Accuracy	±1.0%	±1.9%	±1.9%
Resolution	10mA	0.1A	0.1A
DC Current:			
Range	40A, 300A		400A, 1000A
Accuracy	±1.0%		±1.9%
Resolution	10mA		0.1A
Resistance:			
Range	400Ω-40MΩ	4kΩ-40kΩ	4kΩ-40kΩ
Accuracy	±0.9%	±2%	±1%
Resolution	0.1Ω	1Ω	1Ω
Frequency:			
Range			40Hz-400Hz
Accuracy			±0.5%



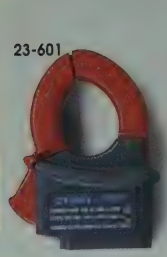
	Cat. No.	Description	Each
	JTM-30	Mini AC/DC Clamp Meter	$149.00
	JTM-33	AC Only True RMS Clamp Meter	119.00
	JTM-39	AC/DC True RMS Clamp Meter	199.00
24	JTM-30-C	Mini AC/DC Clamp Meter w/Calibration Certificate	179.00
24	JTM-33-C	AC Only True RMS Clamp Meter w/Calibration Certificate	149.00
24	JTM-39-C	AC/DC True RMS Clamp Meter w/Calibration Certificate	229.00

For replacement batteries, see page 311

JTM™-67 Versatile Pen Meter DMM

➥ Options expand uses ➥ Compact design

Our Pen Meter is a full feature DMM in a compact package. And with the optional test fixtures you can expand it into a sophisticated instrument. The basic meter has a 3200 count display, analog bar graph and is autoranging for ease of use. It has auto power off, data hold and continuity beeper. It includes a test lead set, manual, soft case and batteries. Three year warranty. (Taiwan)


23-601


JTM-67


23-602



	JTM-67 Pen DMM (2 x AA batteries inc.)	23-601 AC Clamp (1 x 9V battery inc.)	23-603 AC/DC Clamp (1 x 9V battery inc.)	23-602 Temp Probe (1 x 9V battery inc.)
DC Voltage: Range	320mV-600V			
Accuracy	±0.7%			
Resolution	0.1mV			
AC Voltage: Range	3.2V-600V			
Accuracy	±1.7%			
Resolution	1mV			
AC Current: Range		0.1A-300A	600A	
Accuracy		±1.9% derated above 60Hz	±2% <400A; ±3%>400A	
Resolution		0.1A	0.01A	
DC Current: Range			600A	
Accuracy			±2% <400A; ±3%>400A	
Resolution			0.01A	
Resistance: Range	320Ω-30MΩ			
Accuracy	±1.0% < 320kΩ ± 1.5% < 3.2MΩ ±3% 30MΩ			
Resolution	0.1Ω			
Temperature: Range				C° or F° -58 to +1830°F
Accuracy				±0.5%
Resolution				0.1°F or C

Jensen ships the JTM Calibrated Meters with this symbol within 24 hours. 24


23-603

Cat. No.	Description	Each
JTM-67	Pen DMM	$59.00
23-601	AC Clamp	35.00
23-602	Temperature Probe	49.00
23-603	AC/DC Clamp	70.00
24 JTM-67-C	Pen DMM w/Calibration Certificate	89.00
24 23-601-C	AC Clamp w/Calibration Certificate	65.00
24 23-602-C	Temperature Probe w/Calibration Certificate	79.00
24 23-603-C	AC/DC Clamp w/Calibration Certificate	100.00

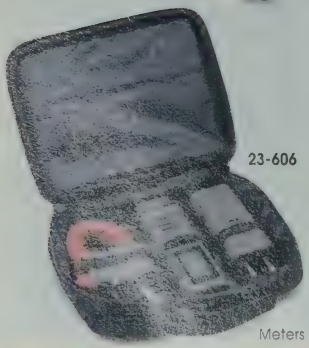
For replacement batteries, see page 311

Cases for Jensen Meters

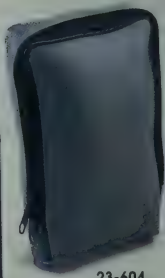
23-604 Dual zippered double walled vinyl-leather case for the JTM-100 and JTM-90 series meters (loose fit for JTM-63 & JTM-69). Inside pockets for manual and test leads. Large 4 1/2" belt loop.

23-605 Single zippered nylon case for the JTM-30 series clamp meters. Inside pockets for leads and manuals.

23-606 Tough double walled woven fabric case with dual zippers designed to carry the JTM-67 and two accessories. Pockets for manual and test leads inside.


23-606

Cat. No.	Description	Each
23-604	Case for JTM-100 and JTM-90 Series Meters	$19.00
23-605	Case for JTM-30 Series Meters	15.00
23-606	Case for JTM-67 Meter	19.00


23-604


23-605

Meters sold separately

Choosing a Fluke Hand-held Digital Multimeter

Fluke handheld digital multimeters lead the industry in features, accuracy and value. From their original engineering and human factors design to their state of the art manufacturing Fluke DMMs are the performance standard.








		Series 10			73-III	Series 110			Series 170			Series 80-III			Series 180	
		10	12	16		110	111	112	175	177	179	83	85	87	187	189
Specifications	AC Volt Range	0mV~600V			0.0mV~600V	0mV~600.0V			0.0mV~1000V			0.0mV~1000V			0.000mV~1000.0V	
	Accuracy	±2.9%	±1.9%		±2%	±1%			±0.15%	±0.09%		±0.7%	±0. 5%		±0.4%	
	DC Volt Range	0mV~600V			0.0mV~600V	0mV~600.0V			0.0mV~1000V			0.0mV~1000V			0.000mV~1000.0V	
	Accuracy	±1.5%	±0.9%		±0.3%	±0.7%			±1%			±0.1%	±0.08%	±0.05%	±0.025%	
	AC Amp Range	**16 ONLY** 0.0µA~200.0µA			0.00mA~10A	**111, 112 ONLY** 0.00A~10.00A			0.00mA~10.00A			0.0µA~10A			0.00µA~10.000A	
	Accuracy	±2%			±2.5%	±1.5%			±1.5%			±1.2%	±1%		±0.75%	
	DC Amp Range	**16 ONLY** 0.0µA~200.0µA			0.00mA~10A	**111, 112 ONLY** 0.00A~10.00A			0.00mA~10.00A			0.0µA~10A			0.00µA~10.000A	
	Accuracy	±1%			±1.5%	±1%			±1%			±0.4%	±0.2%		±0.15%	
	Resistance Range	0.0Ω~40.00MΩ			0.00Ω~32MΩ	0.0Ω~40.00MΩ			0.0Ω~50.00MΩ			0Ω~40.00MΩ			0.00Ω~500.0MΩ	
	Accuracy	±1.5%	±0.9%		±0.5%	±0.9%			±0.9%			±0.4%	±0.2%		±0.05%	
	Capacitance Range	**12, 16 ONLY** 0.000µF~10,000µF			n/a	1nF~9999µF			1nF~9999µF			5nF~5µF			0.000nF~50.00mF	
	Accuracy	±1.9%				±1.9%			±1.2%			±1%			±1%	
	Frequency Range	n/a			n/a	5Hz~50kHz			2Hz~100kHz			0.5Hz~199.99kHz			0.5Hz~999.99kHz	
	Accuracy					±0.1%			±0.1%			±0.005%			±0.005%	
Features	Direct Temp			●							●				●	●
	Memory															●
	Analog bargraph				●	●	●	●	●	●	●	●	●	●	●	●
	Duty cycle											●	●	●	●	●
	dB, dBm														●	●
	Offset/relative											●	●	●	●	●
	Continuity	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Display hold				●	●	●	●	●	●	●	●	●	●	●	●
	Auto TouchHold				●				●	●	●	●	●	●	●	●
	Min/max hold		●	●		●	●	●	●	●	●	●	●	●	●	●
	Average					●	●	●	●	●	●	●	●	●	●	●
	Peak hold													●	●	●
	True RMS					●	●	●	●	●	●		●	●	●	●
	Diode test	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Conductance											●	●	●	●	●
	Backlight							●		●	●	●	●	●	●	●
	PC interface														●	●
	Autoranging	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

JENSEN TOOLS INC.
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317-387



187 and 189 Series Multimeters

- Higher accuracy: 0.025% DC
- Better resolution: 50,000 count
- Dual displays with bar graph
- Model 189 offers data logging feature up to 1000 measurements memory

Lifetime Warranty! Keep your Fluke meter up and running for 2H, 7H & 8H Series DMMs

The new 187 and 189 Series DMMs deliver the next level of performance in handheld measurement technology.

The new meters are packaged in a super rugged impact resistant over-molded case, eliminating the separate rubber holster without losing any of the protection. The display is much larger and features extremely fast settling, dual measurements, hour-minute and two level backlight. Enhanced measurements are now available with the 50,000 count resolution and DC voltage measurements down to 10µV and capacitance up to 50 mF.

Add the optional **FlukeView Forms Software and Cable** for further data analysis and custom documentation. Complete with leads, manual and four AA batteries. 3.8 x 7.9 x 1.9", 23 oz.

Specifications	187 and 189
Primary Digital Display	50,000 count
Analog Display	51 segment bargraph
AC Bandwidth	100kHz
dBm, dBV	✔
Duty Cycle/Pulse Width	✔
Battery and Fuse Access Door	✔
Two Level Backlight	✔
250 µS Fast MIN/MAX	✔
IEC 61010 Rating	✔
Data Logging	189 only
DCV:	
Maximum	1000V
Accuracy	±(0.025% +5)
Maximum Resolution	0.01mV
True RMS ACV:	
Maximum	1000V
Accuracy	±(0.4% +40)
Maximum Resolution	0.01mV
DCA:	
Maximum	10A
Accuracy	±(0.15% +2)
Maximum Resolution	0.01µA
ACA:	
Maximum	10A
Accuracy	±(0.75% +5)
Maximum Resolution	0.01µA
Resistance:	
Maximum	30MΩ
Accuracy	±(0.05% +2)
Maximum Resolution	0.01Ω
Capacitance	0.01nF to 50 mF
Frequency	0.5 Hz to 1000 kHz

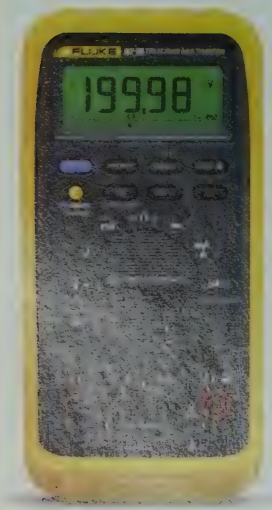
ToolPak adds convenience to your 187 or 189 Meter

ToolPak snaps onto the back of your Fluke 187 or 189 and provides a universal hanger, straps and magnet to hang your DMM.

Cat. No.	Mfr. No./Description	Each
317-879	Model 189 True RMS DMM w/Datalogging	$399.00
317-387	Model 187 True RMS DMM	379.00
24 317-387-C	Model 187 w/Certificate of Calibration	429.00
24 317-879-C	Model 189 w/Certificate of Calibration	449.00
317-561	TPAK 80-4 ToolPak for 187 and 189 only	25.00

For replacement batteries, see page 311

Jensen ships the Calibrated Meters with this symbol within 24 hours. 24



80 Series III Analog/Digital Multimeters

Lifetime Warranty! Keep your Fluke meter up and running for 2H, 7H & 8H Series DMMs

These popular models offer solid construction, great specifications and good value. Large backlit displays with analog bar graphs make readings easy, even in low light conditions. Auto or manual ranging up to 4000 counts gives you great flexibility. Min/Max capture, Touch Hold and relative measurements are standard. Includes rubber holster/tilt stand, manual, and TL75 leads with alligator clips. 9V battery included. 7.4 x 3.4 x 1.25", 12.5 oz.

Specifications		87-III	85-III True RMS	83-III
Voltage ranges 400.0mV to 1000V	DC	±(0.05%+1)	±(0.08%+1)	±(0.1%+1)
	AC	±(0.7%+2)	±(0.7%+2)	±(0.5%+2)
Amps ranges 400.0µA to 10A*	DC	±(0.2%+2)	±(0.2%+2)	±(0.4%+2)
	AC	±(1.0%+2)	±(1.0%+2)	±(1.2%+2)
Resistance ranges 400Ω to 40.00MΩ		±(0.2%+1)	±(0.2%+1)	±(0.4%+1)
Capacitance 5nF to 5µF		±(1.0%+3)	±(1.0%+3)	
Frequency 199.99Hz to 199.99kHz		±(0.005%+1)		

Cat. No.	Mfr. No./Description	Each
24 317-887-C	Model 87-III w/Certificate of Calibration	$399.00
24 317-885-C	Model 85-III w/Certificate of Calibration	375.00
24 317-883-C	Model 83-III w/Certificate of Calibration	339.00
317-887	Model 87-III True RMS DMM	349.00
317-885	Model 85-III True RMS DMM	325.00
317-883	Model 83-III DMM	289.00
317-888	Model 88 Automotive DMM	479.00
24 317-888-C	Model 88 w/Certificate of Calibration	529.00
317-809	FVF-SC 2 FlukeView Forms Software w/Cable	150.00
317-005	C25 Soft Case for all 80 Series DMMs	24.00



317-179



317-175



317-177

Lifetime Warranty!
Keep your Fluke meter up and running

The 170 Series Digital Multimeters

- **Lifetime warranty**
- **Improved accuracy**
- **Rugged overmolded case**

The next generation of Fluke digital multimeters, the 170 series packs a lot of features into low-cost design. Features like a 6000 count, large digit display, 0.09% basic DC accuracy, Min/Max/Avg. True RMS. Press the HOLD button and the display freezes on the current reading. Use Auto HOLD and the display holds present reading until a new, stable input, then the meter beeps and displays the new reading. Great for working in awkward spots. The continuity detector stretches the beep out so you can detect opens or shorts as fast as 250 microseconds in duration. The 170s are smart, they warn you when you switch to and from amps, so you change the test lead orientation.

They are all rated to Cat IV and have an easy access battery door. The 177 and 179 both have a back light for use in dark environments. The 179 even measures temperature. The meters measure 1.7 x 3.5 x 7.3" and weigh 14.7 ounces. They are powered by a 9V alkaline battery, included and come with test leads.

Features	
Digital display	6000 counts @ 4 updates/second
Analog bargraph display	33 segments @ 40 updates/second
Backlight 177 and 179	Auto off after 2 minutes
Closed case calibration	No internal adjustments needed
Probe holders	Instrument case includes probe holders
High-impact overmolded case	Integrated overmolded case provides impact superior protection for your meter

Jensen ships the Calibrated Meters with this symbol within 24 hours. 24

Specifications	175	177	179
DCV	0.1mV - 1000V ±0.15%	0.1mV - 1000V ±0.09%	
ACV	0.1mV - 1000V ±1% (±2% >500Hz)		
DCA	0.01mA - 10.00A ±1.0%		
ACA	0.01mA - 10.00A ±1.5%		
Resistance	0.1Ω - 50.00MΩ ±0.9%		
Capacitance	1 nF - 9999µF ±1.2%		
Frequency	2Hz - 100kHz ±0.1%		
Temperature	na	na	-40°F - +752°F ±1%

	Cat. No.	Mfr. No./Description	Each
	317-175	Fluke 175 DMM, Digital Multimeter	$169.00
	317-177	Fluke 177 DMM, Digital Multimeter	189.00
	317-179	Fluke 179 DMM, Digital Multimeter	209.00
24	317-175-C	Fluke 175 DMM, w/Calibration Certificate	199.00
24	317-177-C	Fluke 177 DMM, w/Calibration Certificate	219.00
24	317-179-C	Fluke 179 DMM, w/Calibration Certificate	239.00



ToolPak

ToolPak for hands-free testing. Hanging strap, nail/screw hanger or magnet hanger

Cat. No.	Description	Each
317-561	ToolPak Kit	$25.00

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Order Lines: 800-426-1194 • 602-453-31
Fax Lines: 800-366-9662 • 602-438-16

110 Series DMMs, Small Size - Giant Features

- **Rugged design withstands 1 meter drops**
- **True RMS reads all waveforms accurately**
- **Small size safes space in tool kits**

Designed small, the Fluke 110 series does not compromise on features. The 6000 count display is large, making reading easy. It includes a 33 segment analog bargraph which updates ten times faster than the digits, making peaking and nulling easier. The Model 112 includes a bright back light for reading in the dark. The rugged rubber holster includes test lead holders and can protect the meter from a drop onto concrete up to one meter. The holster also has a handy tilt stand, and can accept the optional ToolPak meter hanging system.

True-rms AC voltage and current measurement make for accurate readings on any waveform. This is perfect for motor control, switching power supplies, and other non-sinusoidal readings. The 110s can lock in maximum, minimum and average readings on any setting, beeping when a new measurement is read. There is a display hold function, press the button and the current reading is frozen on the display. They can measure frequency and capacitance. Plus they give you an easy-open battery access door. They're all CAT III rated for 600V and are protected by a three-year warranty. Measurements: 6.3 x 3.8 x 1.8" at 12oz. Models include monolithic leads, battery and manual.



317-340



317-341



317-342

Jensen ships the Fluke Calibrated Meters with this symbol within 24 hours. 24

	110	111	112
DC Voltage	0mV ~ 600.0V ± 0.7%		
AC Voltage	0mV ~ 600.0V ±1.0%		
DC Current	n/a	0mA ~ 10.00A ±1.0%	
AC Current		0.00A ~ 10.00A ±1.5%	
Resistance	0.0Ω ~ 40.00MΩ ±0.9%		
Capacitance	0nF ~ 10000μF ±1.9%		
Frequency	0.00Hz ~ 50.00kHz ±0.1%		

	Cat. No.	Man. No./Description	Each
	317-340	Fluke 110 Compact Digital Multimeter	$99.00
	317-341	Fluke 111 Compact Digital Multimeter	129.00
	317-342	Fluke 112 Compact Digital Multimeter	149.00
24	317-340-C	Fluke 110 w/ calibration certificate	129.00
24	317-341-C	Fluke 111 w/ calibration certificate	159.00
24	317-342-C	Fluke 112 w/ calibration certificate	179.00

Model 73

Built tough, with rubber holster with flex stand to protect against impacts and 4kV transient protection with Cat II 600V on the inputs. Large LCD displays with 3200 counts and analog bar graphs. Autorange and TouchHold make taking and viewing readings easy. Continuity beeper and diode test are standard. Lifetime warranty.



Volts DC	300.0mV ~ 600V @ ± 0.3%
Volts AC	300mV ~ 600V @ ± 2.0%
Amps DC	30.00mA ~ 10A @ ± 1.5%
Amps AC	30.00mA ~ 10A @ ±2.5%
Resistance	0.0Ω ~ 32MΩ @ ±0.5%

	Cat. No.	Description	Each
	317-573	Fluke 73-III DMM	149.00
24	317-573-C	Fluke 73-III DMM w/Calibration Certificate	179.00

TPak Meter Hanging System



Now you can hang your meter almost anywhere with the new Fluke TPAK accessories kit. TPAK includes a universal hanger, a magnet, and 9-inch and 17-inch "hook-and-loop" hanger straps. Designed to snap into a special module on the back of your Fluke 110, 170, 180 series multimeters and the 50 series thermometers the TPak gives you infinite flexibility in positioning your meter within easy reach and easy viewing of your work. Never worry about wobbly footing, pulling your meter off its rest, or trying to probe and read over your shoulder. Safety and productivity are enhanced with a TPak and compatible Fluke multimeter.

Cat. No.	Mfr. No/Description	Each
317-561	TPak Meter Hanger System	$25.00

330 Series of Digital Clamp Meters

➥ **Improved fit and feel** ➥ **Operate with one hand** ➥ **Lots of new features**

First you'll notice how snug these new clamps fit your hand, with the rotary switch perfectly positioned for thumb operation and the opening lever falling under your index finger. Even the rounded bottom of the case makes for a comfortable and secure grip, bare-handed or gloved. You have five models from which to choose. Each comes with automatic shut-off, a large display with display hold, soft carry case, TL75 test leads and batteries. Fluke backs these up with a three year warranty. Meters weigh 11oz.



	Averaging sensing		True RMS sensing		
	333	334	335	336	337
Amps AC @ ±2%	0.0~400.0A	0.0~600.0A			0.0~999.9A
Amps DC @ ±2%	na	na	na	0~600.0A	0~999.9A
Volts AC & DC	0.0~600.0V@ ±1%				
Resistance @ ±1.5%	0~600.0Ω	0~6000Ω			
Frequency	na	na	na	na	5-400Hz ±0.2%
Backlight		x	x	x	x
Inrush current		x	x	x	x

Cat. No.	Mfg No./Desc.	Each
317-433	333 Clamp Meter AC	$119.00
317-434	334 Clamp Meter AC back light	149.00
317-435	335 Clamp Meter AC back light true RMS	189.00
317-436	336 Clamp Meter AC/DC back light true RMS	269.00
317-437	337 Clamp Meter AC/DC back light true RMS 1000Amps w/freq	299.00
24 317-433-C	333 w/Calibration Certificate	149.00
24 317-434-C	334 w/Calibration Certificate	179.00
24 317-435-C	335 w/Calibration Certificate	219.00
24 317-436-C	336 w/Calibration Certificate	319.00
24 317-437-C	337 w/Calibration Certificate	349.00
317-438	H3 belt holster f/330 clamps and accessories	19.95

10 Series Digital Multimeters

317-910



317-912



317-307



➥ **Perfect for first-line electrical testing** ➥ **Simplified operations**

Economical first-line electrical and electronics testing. With push button and slide switch controls they are easy to operate, even one-handed. 4000 count large-digit displays make reading measurements easy, even in low-light conditions.

Model 10 is the basic meter, offering AC, DC voltage checking and a resistance mode. Fast continuity beeper, a diode test function and battery saving Sleep Mode round out the features. This is the perfect meter for occasional electrical testing, offering the basics without compromising safety and quality.

Model 12 is the choice of many journeyman professionals. In addition to the standard AC and DC voltage and resistance measurement, the Model 12 measures capacitance, great for testing starting capacitors on industrial motors. Fast continuity check and a continuity hold feature for capturing very fast continuity changes. It also includes V-Chek, a safety feature which automatically switches the meter into voltage measurement if more than 4.5V during resistance measurements. It also has min/max record with relative time stamping.

Model 16 is three meters in one, designed to be the perfect tool for HVAC technicians. It is a full function multimeter, measuring AC and DC voltage, resistance, capacitance, diode test and super fast continuity beeper. It is a thermometer. And it is a flame rod circuit tester with current testing accurately down to 0.1μA. The Model 16 utilizes a selection knob rather than slide switch, has a millivolt range for compatibility with Fluke accessories. Protected by rubber holster.

Each model comes complete with test leads (and thermocouple plus adapter for Model 16), multilanguage manual, battery and a two year warranty. Measures 1.4 x 2.8 x 5.6" and weighs 10oz.

Cat. No.	Mfg. No./Description	Each
317-910	Fluke 10 digital multimeter	$79.00
317-912	Fluke 12 digital multimeter	99.00
317-307	Fluke 16 digital multimeter	129.00
24 317-910-C	Fluke 10 w/ calibration certificate	109.00
24 317-912-C	Fluke 12 w/ calibration certificate	129.00
24 317-307-C	Fluke 16 w/ calibration certificate	159.00

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Interchangeable Leads & Probes for Fluke Meters

← These probes ...

... fit these leads



Cat. No.	Mfr. No./Description	Each
317-539	TL24 90° to Straight Plugs, red and black	$18.00
317-540	TL22 90°x 90° Plugs, red and black	18.00
317-533	AC83 Grabbers, 2 ea.	22.00
317-537	AC20 Alligator Clips, 2 ea.	23.00
317-535	AC80 Spring Hooks, 2 ea.	18.00
317-538	AC89 Insulation Penetrators, 1 ea.	23.00
317-532	AC85A Insulated Large Alligators, 2 ea.	12.00

Cat. No.	Mfr. No./Description	Each
317-536	TP20 Sharp Probes, 2 ea.	$9.00
317-534	TP80 Probes, Very Fine Point, 2 ea.	20.00
317-320	TL20 Industrial Lead Kit w/TL22, AC20, TP20	45.00
317-750	TL75 Lead Set, DMM Replacement Leads	11.00
317-702	AC70A Alligator Clips	8.00
317-542	TL26 Communication Clip Test Leads	35.00

Current Clamp Selection Guide

317-411
i410
AC/DC



	i410 AC/DC
Type	1000:1 Hall Effect
Diameter	1.18" (30mm)
AC Range	400A
AC Accuracy	±3.5%
DC Range	400A
DC Accuracy	±3.5%
Zero adjust	✓
Working Voltage	600V
Warranty	1 Year

317-310-C
80i-400
AC



	80i-400 AC
Type	1000:1 transformer
Diameter	1.18" (30mm)
AC Range	400A
AC Accuracy	±(3% of reading + .4A)
Working Voltage	600V
Warranty	1 Year

317-110-C
i1010
AC/DC



	i1010 AC/DC
Type	1000:1 Hall Effect
Diameter	1.18" (30mm)
AC Range	600A
AC Accuracy	±2%
DC Range	1000A
DC Accuracy	±2%
Zero adjust	✓
Working Voltage	600V
Warranty	1 Year

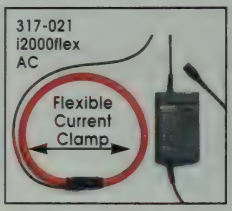
317-600-C
80i-600A
AC



	80i-600A AC
Type	1000:1 transformer
Diameter	1.98" (50mm)
AC Range	600A
AC Accuracy	±2% of reading
Working Voltage	750V
Warranty	1 Year

Cat. No.	Mfr. No./Description	Each
317-510	80i-400 1000:1 Transformer Clamp	$95.00
317-600	80i-600A 1000:1 Transformer Clamp	129.00
317-411	i410 AC/DC Clamp 400A	154.00
317-110	i1010 AC/DC Clamp 1000A	254.00
317-021	i2000Flex AC Clamp 2000A	249.00
24= 317-310-C	80i-400 w/Calibration Certificate	120.00
24= 317-600-C	80i-600A w/Calibration Certificate	154.00
24= 317-411-C	i410 w/Calibration Certificate	179.00
24= 317-110-C	i1010 w/Calibration Certificate	304.00

317-021
i2000flex
AC



	i2000Flex AC
Type	1000:1 transformer
Diameter	9"/62" circumference
AC Range	2000A
AC Accuracy	±1%
Working Voltage	600V
Warranty	none



TL80A Basic Electronics Test Lead Set

The TL80 kit consists of two each (one black and one red): One meter long test lead with a safety shrouded, right angle banana connector on one end and a stainless steel test probe on the other end, rated up to 10A. Silicone-insulated leads have superior flexibility in cold temperatures and resistance to high temperatures. Insulated alligator clip rated up to 5A. Insulated probe tip extender rated up to 3A. Zippered, vinyl soft case. Compatible with Fluke and other multimeters that accept safety shrouded, standard diameter banana connectors. CAT III 300V, UL approved. One year warranty.

Cat. No.	Mfg. No./Description	Each
317-420	TL80A Basic Electronics Test Lead Set	$39.00



High Voltage Probe

Rated to 40kVDC or peak AC (28kVACRMS). Voltage division of 1000:1 for DMMs with 10MΩ input impedance. Not intended for high energy utility or three-phase applications.

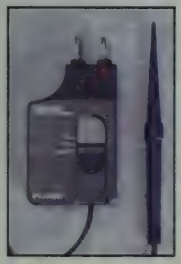
Cat No.	Mfr. No./Description	Each
317-840	80K-40 High Voltage Probe	$124.00
317-840-C	80K-40 High Voltage Probe w/Calibration Certificate	174.00



80TK Temp Adapter

➥ 80PK-1 probe

Cat. No.	Mfr. No./Description	Each
317-180	80TK K Type Temp Adapter	$70.00
317-180-C	80TK w/Calibration Certificate	100.00



80T-150U Temp Probe

➥ -50° to 150°C, -58° to 302°F with resolution to 0.1° C or F

Cat. No.	Mfr. No./Description	Each
317-151	80T-150U Universal Temp Probe for DMMs	$120.00
317-151-C	80T-150U Universal Temp. Probe w/Calibration Certificate	152.00

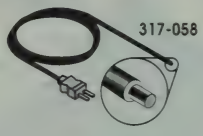


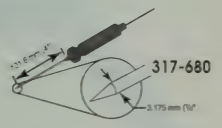
Deluxe Electronic Test Lead Set

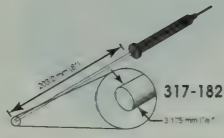
The TL81 deluxe electronic lead set extends the capability of your DMMs and other test equipment. The probes have three-foot-long silicone leads for maximum flex and reach and have 90 degree shrouded banana plugs. Also included are two insulated alligator clips, two probe tip extenders, two meter long leads which accept the following; test probes, hook clips, pincher clips, IC probe tip adapters. Set is housed in a soft case.

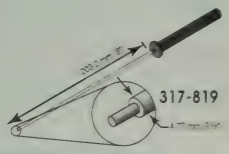
Cat. No.	Mfg. No./Description	Each
317-421	TL81 Deluxe Electronics Lead Set	$99.00

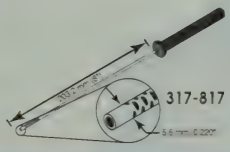
Optional K-Thermocouple Probes

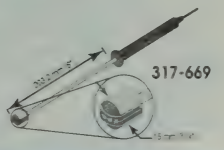












Cat. No.	Mfr. No./Description	Temp. Range	Each
317-058	80PK-1 Beaded Probe	-40 to 500°F	$13.00
317-182	80PK-2A for Liquids	-320 to 1994°F	47.00
317-183	80PK-3A for Surfaces	-320 to 500°F	87.00
317-817	80PK-4A for Gases	-320 to 1500°F	64.00
317-680	80PK-5A for Food or Liquid	-320 to 1500°F	58.00
317-819	80PK-6A Extended Beaded Probe	-320 to 1500°F	65.00
317-669	80PK-7 Industrial Surface Probe	-192 to 1112°F	189.00



Cases for DMMs and Accessories

C25 zippered padded vinyl case designed to accept Model 20/70s and Model 80-IIIs along with standard test leads.

C12A zippered padded vinyl case designed to accept Model 10s and test leads.

C75 zippered carrying case for accessories. Two internal pockets.

C50 zippered vinyl carrying case with belt loop and inside pocket designed for the 50 Series thermometers.

C90 zippered vinyl case with inside pocket designed for the 20/70 and 80-III meters. Gives a tighter fit than C25.

C125 zippered case with detachable external pouch designed for the 187, 189, 123 and 725.

C781 similar to C125 but designed for the 867 Graphical multimeter.

Cat. No.	Mfg. No./Description	Each
317-005	C25 Case	$24.00
317-902	C12A Case	13.00
317-543	C75 Case	9.00
317-025	C50 Case	17.00
317-090	C90 Case	19.00
317-138	C125 Case	25.00
317-277	C781 Case	39.00
317-007	C789 Case fits 867, 40 series, 123	80.00



Premium Leather Cases

- **Handsome**
- **Durable**

Fluke's new leather cases are as durable as your Fluke meter. Each is made from oiled, top grain cowhide. Heavy-duty stitching and reinforcing rivets provide durability and ruggedness you expect from Fluke.

The C510 case is specifically designed for the Fluke Model 70 and 20 series meters but will accommodate most other Fluke meters from the 189 down to the Series 10s. It measures 4 x 11 x 7". The C520 is designed to hold your Fluke T2 or T5 Electrical tester. It measures 4 x 8 x 5". Both of these cases feature sturdy flap snaps and belt loops. The C530 is a zipper case designed to hold any meter accessories as well as a meter. Heavy-duty zipper with pull tab.

Cat. No.	Mfr. No./Description	Each
317-460	C510 Leather DMM Case	$35.00
317-461	C520 Leather T Tester Case	25.00
317-462	C530 Leather Zipper Case	25.00



Instrument and Tool Bag

- **Tough ballistic nylon**
- **Over 20 pockets**

A very tough ballistic nylon contractor's bag constructed on a steel frame. It is designed to offer the maximum size in storage and transport of your Fluke instruments, accessories, spare parts, documentation and tools, while staying as lightweight as possible. Many pockets throughout. Main compartment secured with heavy-duty dual zippers. Handles and shoulder strap included. Water resistant. Measures 12 x 20 x 9".

Cat. No.	Mfr. No./Description	Each
317-463	C550 Nylon Tool Bag	$60.00

FLUKE

VoltAlert™ Voltage Detector



So easy to use - just touch the tip to a control wire, conductor or outlet. When it glows red, you know there is voltage on the line. Electricians, maintenance, service, safety personnel and home owners can quickly check for energized circuits. Available in two voltage ranges: the low voltage model works on 24~90VAC the high energy model detects voltages 90~600VAC.

Cat. No.	Mfg. No./Description	Each
317-001	1AC VoltAlert High Voltage Detector	$20.95
317-006	1LAC VoltAlert Low Voltage Detector	21.95



T5 Electrical Testers

Fluke T5 electrical testers let you check voltage, continuity and current with one compact tool. Select volts, ohms or current and the tester does the rest. Test leads stow in the back of the tester for neat storage. The unique OpenJaw™ design lets you check single wire AC current to 100 amps - without breaking the circuit. Measures AC and DC volts to 600 or 1000 volts and resistance to 1000Ω. Includes a continuity beeper. Withstands a 10' drop. Test leads accept Fluke clips. Auto powers off. CAT III rated. 2 AA batteries included.

Cat. No.	Mfg. No./Description	Each
317-311	T5-600 Electrical Tester	$89.95
317-312	T5-1000 Electrical Tester	99.00



T3 Electrical Tester

➥ **Perfect for electricians or telecom**

Designed to work long and hard. Checks voltage and continuity. There are no settings, just probe the circuit and the T3 will show you whether you're looking at AC or DC voltage or an open circuit. You don't even have to turn it on. Seven separate LEDs indicate voltage level while others indicate AC, DC, positive or negative, unit on and continuity. Rugged enough to stand up to a 10' drop and CAT III 1000V rated. 2 AA batteries included.

Cat. No.	Mfg. No./Description	Each
317-309	T3 Electrical Tester	$44.95

Replacement batteries available page 311

BIDDLE INSTRUMENTS

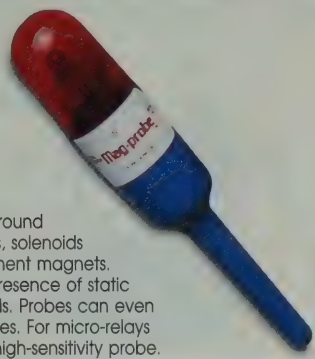
Megger® FlexiClamp 200



➥ **Measures current on power cords**

The FlexiClamp does what clamp meters should do - measures current on two and three wire power cords, without having to split them. Just clamp the cord in the special jaws. Measures up to 40 amps on 2 or 3 wire cords and up to 200 amps on single wires, so you can use it as a traditional clamp meter. 5% accuracy and a resolution of 0.1 amp. Features reading hold, auto power off in 5 minutes and up to 50 hours battery life (9V included). Operates on 60Hz AC lines only. Rated Cat. III 300V.

Cat. No.	Mfg. No./Description	Each
293-200	Megger® FlexiClamp 200	$169.00



Magnetic Field Probes

Detect magnetic fields around transformers, coils, armatures, solenoids and relays as well as permanent magnets. Red lights glow, indicating presence of static (DC) or fluctuating (AC) fields. Probes can even indicate north and south poles. For micro-relays and reed switches, use the high-sensitivity probe.

Cat. No.	Mfg. No./Description	Each
109-400	Standard Magnetic Field Probe	$30.00
109-450	High-sensitivity Magnetic Field Probe	35.50



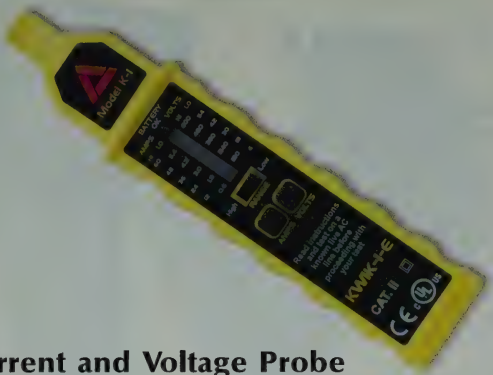
Standard/GFI Receptacle Testers

521-101 tests all 115VAC, single phase, 3 wire conventional and GFI protected outlets for proper wiring reversed polarity and correct grounds. Push-button switch tests GFI trip function at 5mA level.

521-020 is similar, without the GFI test function.

Cat. No.	Description	Each
521-101	GFI Receptacle Tester	$25.00
521-020	Standard Receptacle Tester	11.00

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Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Current and Voltage Probe

Simply rest the probe against an insulated conductor, select current or voltage and the probe will display the level on its LED bargraph. A unique probe, which will indicate not only the presence of voltage, but also the level without making contact with any bare conductors. Equally handy is the ability to determine the current flow through even three wire Romex without the need to separate conductors. A must for electrical work and safety checks.

Cat. No.	Mfg. No./Description	Each
483-001	Non-Contact Volt - Amp Probe	$39.00



Simpson® 260 Series VOM

The world's analog standard. 1000V AC and DC scales, 500ma DC current, 10kΩ, 20 to 50db @ 600Ω ref. Meters include test leads, owner's manual, one AA and one 9V battery. Meter fully functional while in optional yellow nylon carrier. 7 x 5 1/4 x 3", 2 1/2 lb. 90 day manufacturer's warranty. (USA)

Specifications	-8	-8P	-8Xi	-8XPi
Continuity Beeper		✓	✓	✓
0.25/1VDC Ranges	✓	✓		
Overload Protection		✓		✓
10ADC Range			✓	✓
5-300ACA Option†			✓	✓
Yellow ABS Case			✓	✓

† Requires 50-541 clamp adapter

Cat. No.	Mfr. No./Description	Each
50-268	260-8 VOM	$200.00
50-960	260-8P w/Overload	266.00
50-395	260-8Xi Yellow	215.00
50-396	260-8XPi Yellow w/Overload	285.00
50-832	Optional Yellow Nylon Carrier	54.00
50-541	AC Clamp Adapter	100.00

For replacement batteries, see page 311



Compact Clamp-on Testers

These compact clamp meters offer low cost easy to use alternative for occasional use. The 906-611 offers an analog bargraph in its display. The 34-612 offers peak hold, zero and thinner jaws. Both testers conform to CATIII 300V.

Range/Accuracy	906-611	34-612
AC Current	0.00~300.0A @ ±1.2%	0.00~300.0A @ 2.5%
DC Current	n/a	0.00~300.0A @ 2.5%

Cat. No.	Mfg. No./Description	Each
906-611	300-10 AC Clamp Meter	$109.00
34-612	300-20 AC/DC Clamp Meter	289.00

EXTECH INSTRUMENTS

2000A True RMS Clamp DMM



Measures to 2500A DC, our highest reading clamp meter. True RMS sampling means you get an accurate current or voltage reading no matter what the shape of the waveform. Average sensing instruments can display readings off by as much as 30% on complex waveforms. This instrument features an analog bargraph, data hold, 1kHz frequency response, analog output (1mA/A), voltage and resistance measurement, relative/min/max and continuity. The jaws accept up to 1000MCM conductors. Complete with test leads, 9V battery and case. Rated to CAT III 600V.

	Range and accuracy
AC/DC Voltage	0.0mv~600V @ ±1.5%
DC Current	0.0A~2500A ±1.5% (±2.0% >2000A)
AC Current	0.0A~2100A ±2.0% (±2.5% >1000A)
Resistance	0.0~40.00MΩ ±1.5%

Cat. No.	Mfg. No./Description	Each
608-003	380920 2000A True RMS Clamp DMM	$359.00

Power Analyzers

The **Model 43B** Power Quality Analyzer extends provides measurement of voltage, current and power harmonics up to the 51st harmonic. Calculates 3 phase power on balanced loads from a single phase. It measures total harmonic distortion, phase angle of each harmonic, Watts, power factor, displacement power factor, VA and VAR. It also displays voltage and current waveforms. It will continuously measure volts and amps on a cycle-by-cycle basis for up to 16 days. Its display shows transients, current at the instant of voltage events and will save up to 40 transients. 20 measurement memory. FlukeView software.

Model 39 Power Meter gives direct 3Ø power readouts from simple single-phase measurement. Reads True RMS voltage and current, Peak, DC and crest factor, total harmonic distortion, active power from 10W to 300kW. It also displays apparent power, reactive power, total power factor and displacement power factor. It displays the frequency from 6Hz to 99.9Hz and harmonics of the fundamental out to the 31st with K factor while displaying the phase angle of fundamental and harmonics. It will record min, max and avg.

Model 41B offers all of the features of the Model 39 above and adds memory for eight complete data sets, data logging, and an optically isolated serial port for downloading stored results for analysis on a PC. It includes the FlukeView Windows software for downloading, analysis and archiving.

All models include a 500A current clamp, TL24 test leads, AC20 alligator clips, TP20 test probes and manual. 41B and 43 include serial cable and software. 43 includes hard carry case. 3 year warranty.

Cat. No.	Mfg. No./Description	Each
317-043	43B Power quality analyzer	$2095.00
317-041	41B Power meter	1895.00
317-040	39 Power meter	1095.00
317-041-C	41B with Calibration certificate	1945.00
317-040-C	39 with calibration certificate	1145.00
317-007	Soft carry case	80.00
317-865	1000A current clamp	395.00

For replacement batteries, see page 311



317-043



317-041

Measurements	39/41B	43B
Voltage	5.0~600V rms @ ±0.5%	5.000~1250V @ ±1.0%
Current	1.00~1000A rms @ ±0.5%	50.00~50.00kA @ ±1.0%
Frequency	6.0~99.9Hz @ ±0.3Hz	40.0~70.0Hz @ ±0.5%
Watts/VA	0.0~600kW avg @ ±1%	250~2.5MW @ ±4%
Crest factor	1.00~5.00 @ ±4%	n/a
Power factor	0.00~1.00 @ ±0.02%	0.25~1.00 @ ±0.04%
COS Ø	0.00~1.00 @ ±0.04%	
K factor	1.0~30.00 @ ±10%	1.0~30.0 @ ±10%
% THD	0.00~99.9% @ ±0.03%	
Ohms	n/a	0.0~30.00MΩ @ ±0.6%
Capacitance	n/a	0.00nF~500.0µF @ ±2.0%

1520 MegOhmMeter

- **Three voltage ranges**
- **Large, backlit display**
- **Measures AC/DC volts and low Ohms**

For testing insulation resistances up to 4000MOhms and AC/DC voltages up to 600V. The Fluke 1520 offers an enormous backlit LCD which displays both an analog bargraph and digital readings simultaneously. It autoranges to the proper test voltage; 250, 500, or 1000V. It also automatically switches to voltage test when it detects either AC or DC voltage greater than 30V. Switch to the Lo-Ohms function for testing connections. It even has a last reading memory display function. The 1520 safely autodischarges the test capacitors when done. It is housed in a rugged, splash-proof case with impact absorbing rubber holster.

The 1520 comes with TL27 heavy duty test leads, TP74 lantern tip test probes, AC86 large jaw alligator clips, protective holster with hand strap, carrying case with accessory storage, four C-cell batteries, instruction manual. It measures 9.5 x 4.25 x 2.85" at 2.5 pounds. It carries a three year factory warranty. It will accept the TPAK hanging kit.

Cat. No.	Description	Each
317-152	1520 MegOhmMeter	$649.00
317-561	TPAK Hanging Kit	25.00



Specifications			
Function	Range	Accuracy	Resolution
Insulation resistance	4.000MΩ,40.00MΩ	To 100MΩ±2%	0.001MΩ to 10MΩ
Auto ranges	400.0MΩ 4000MΩ	Over 100MΩ±10%	
Test voltages	250, 500, 1000	+20%, -0%	
Lo-Ohms resistance	0 to 40.00Ω	±2%	0.01Ω
Analog bargraph	0 to 100Ω		
Resistance	4kΩ	±2%	1Ω
Analog bargraph	0 to 10kΩ		
Voltage	0 to 600V	±2%	1V

Insulation Tester and Multimeter in One Unit!

MEGGER® BM400/2 Series

- Tests insulation at rated voltage into a 1 mA load
- Automatic discharge of circuit under test
- 200 mA short circuit continuity current
- Designed to meet all safety standards



New T1/HDSL Span Verifiers/Testers

MEGGER® InterroGatr Series

- Bit Error Rate Testers designed for testing telecommunications systems
- Used to emulate and interrogate the service layer of the network
- Continuous testing of up to eight hours
- User-friendly interface with no training necessary



See page 207

Power Clampmeters



MEGGER® DCM2000P

- Combines the functionality of a power meter, oscilloscope, harmonic meter and data logger in one easy-to-use package
- Data logging and download capability
- True RMS meter with a large dot matrix LCD

See page 93

Getting Down to Earth!



MEGGER® DET62D Ground Resistance Tester

- Noise rejection to 40 V peak-to-peak
- Simple, fully automatic operation
- Three terminal measurement for ground electrode testing

See page 93

Power/Telco Cable Testers



BIDDLE® 510E TDR

- Six ranges to test power, cellular, CATV, and telephone cable
- Compact, rugged, with large backlit LCD
- Front panel accessible gain and balance controls for enhanced fault locating

See page 180

New Premium Hand-held Insulation Tester

MEGGER® BMM503

- Incorporates an *Intelligent Safety System* to protect the user and instrument from misuse and inadvertent connection to live systems
- Continuously monitors voltage appearing on the probe
- "Zap" buzzer with selectable thresholds
- mV probe compatibility
- Extended voltage range to 600 V
- Remote operation with the MEGGER SP1 switched probe
- Power saving backlight
- Zero offset adjustment on the continuity range
- 250, 500 and 1000 V insulation test voltages



See page 316



AEMC INSTRUMENTS

Clamp-On Ground Resistance Tester

- 1200Ω Range

Measures ground rod and small grid resistance without auxiliary ground rods. Clamp around the ground conductor and measure the resistance to ground. Fits rods up to 1000 MCM typical in telecommunications. Includes carry case and calibration loop.

Cat. No.	Mfr. No./Description	Each
464-002	3711 Ground Resistance Tester	$1995.00

BIDDLE INSTRUMENTS

Power Clampmeter

- Data storage
- 2000 amp capacity
- Waveform viewing on-screen

The DCM2000P combines the functions of oscilloscope, power meter, harmonic analyzer and data logger. It is built to 1010-1 600V Cat IV supply side safety standards. The large backlit display shows multiple parameters simultaneously It can measure DC and AC voltage up to 600V. DC, AC and DC+AC current up to 2000A. Also energy consumption, frequency, crest factor, total harmonic distortion, distortion factor and ripple. It has a built-in three-phase adapter.



View harmonics out to #25 and display waveforms in realtime. Measure true power, apparent power, reactive power and power factor. The unit measures in true RMS mode for accurate readings on all non-sinusoidal waveforms, both current and voltage.

This battery powered precision power meter can store up to 5000 readings. The maximum logging period is determined by battery life and memory capacity (about 24 hours battery life in this mode). The optional PowerLog software allows datalogging directly to a PC and downloading of stored logs. PowerClamp comes with test leads, carry case and manual.

Voltage	0.000~750V @ ±1.0%
Current	0.00~2000A @ ±1.5%
kW/kVA	0.000~1200kW/kVA @ ±2.5%
kVAR	0.000~850kVAR @ ±2.5%
kWH	0.000~40,000kWH @ ±0.5%
Frequency	0.0Hz~1kHz @ ±3%
Crest factor	1.00~5.00 @ ± 3-5%
Total harmonic distortion	1.0~600.0% @ ±3-5%
Distortion factor	1.0~100.0% @ ±3%

Cat. No.	Mfr. No./Description	Each
293-006	DCM2000P	$1195.00
293-008	PowerLog Software	149.00



BIDDLE INSTRUMENTS

Multi-Megger® Insulation Testers

Now you have an all-in-one insulation tester/multimeter. In addition to extremely high sensitivity insulation testing to 200GΩ you have complete multimeter test functionality and the ability to view the insulation measurement in terms of leakage current.

The BMM80 includes capacitance measurements and millivolt input to accept a wide range of adapters from temperature to current. The BMM 2000 and BMM 0280 measure up to 500VAC in addition to their insulation tests and accept millivolt adapters. The BMM2500 and BMM2580 offer test storage and download. All models include test leads, carry case, switched probe, and BMM2500 series includes software.

Cat. No.	Mfr. No./Description	Each
293-005	BMM2580	$1355.00
293-004	BMM2500	850.00
293-003	BMM2080	1255.00
293-002	BMM2000	750.00
293-080	BMM80	1195.00

For replacement batteries, see page 311



BIDDLE INSTRUMENTS

Digital Earth Tester

- Weatherproof
- Simple automatic operation

Designed to test simple earth electrodes. Earth resistance measured from 100mΩ to 2kΩ Three terminal operation. Completely automatic testing. Rejects noise to 40V. Eight AA batteries included. One year warranty.

Cat. No.	Mfr. No./Description	Each
293-070	DET62D Digital Earth Tester	$650.00
293-103	Carrying Case	140.00
293-160	Three Terminal Earth Probe Kit	235.00

For replacement batteries, see page 311

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FLUKE.

Outlet Fault Recorder System

➥ **Useful for contractors, utility engineers, facilities engineers**

➥ **For residential, commercial, and industrial facilities**

VR101S is a complete system for testing the quality of electrical systems in homes, offices, hospitals and factories. Simply plug in the recorder to any 115VAC outlet. It records up to 4000 events including sags, surges, power interruptions, spikes and frequency variations.

Includes recorder, RS-232 cable, Windows® software. Purchase recorders separately for multi-site testing; each has a unique code. Seven year lithium battery included. One year warranty.

Sags, Swells and Outage Measurements		
	Range	**Accuracy**
Hot-to-Neutral	0-200Vrms	±2Vrms
Neutral-to-Ground	3-200Vrms	±2Vrms
Transient Measurements		
Hot-to-Neutral	100-2500Vpk	±(10% reading +10V)
Neutral-to-Ground	50-2500Vpk	±(10% reading +10V)
Phase Angle	20° to 180° 200° to 360°	±1°
Frequency Measurements		
	45-65Hz	±0.1Hz

Cat. No.	Mfr. No./Description	Each
317-321	VR101S Voltage Event Recorder System	$595.00
317-322	VR101 Extra Recorder	495.00



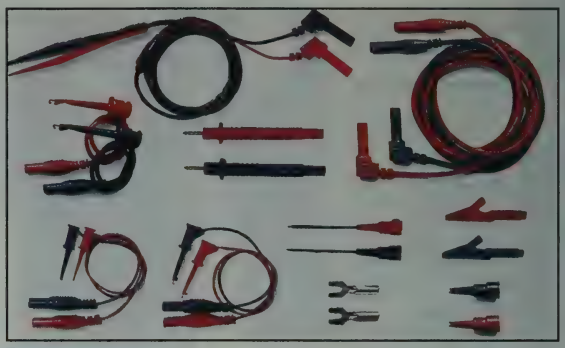
Power Investigator for Outlets

➥ **Finds and explains problems**

➥ **Suggests solutions**

The Power Investigator examines power quality for nine types of problems and counts each event type (up to 65,000). It downloads a report telling the causes of problems and their effect on equipment. A solutions report is printed detailing how to correct the problems. Output provided via built-in parallel port. Printer not included. Works on AC lines from 80V to 300V, 40Hz to 400Hz. 7 x 4.5 x 2.25", 2 lbs. One year warranty.

Cat. No.	Mfr. No./Description	Each
693-001	PI 500 Power Investigator	$495.00



Pomona Test Lead Companion Kit

➥ **Get the most out of your sub boxes**

Padded durable Cordura® case with handy shoulder strap stores your sub box and includes a complete lead set for electronics testing. You get medium alligator clips, three sizes of spring hooks, standard probes with extended tips, SMD tips and spade tips, and a pair of SMD tweezer leads.

Cat. No.	Description	Each
136-174	Test Lead Companion Kit	$119.00



Pomona Unique Push-On BNC Cables

➥ **Fast on & off saves time** ➥ **High performance**

Designed for those who connect and disconnect BNC cables many times a day. These unique push-on BNC cables have a locking collar for cable retention. Pull collar to release connector. Strain reliefs withstand years of use. RG58c/u cables.

Cat. No.	Description	Length	Each
136-624	Push-On BNC Cable	24"	$28.50
136-636	Push-On BNC Cable	36"	28.50
136-648	Push-On BNC Cable	48"	28.50



Pomona Precision Electronic Probes

➥ **Finest tips available**

Your search is over for super fine tips in a probe set. Designed for probing very tiny circuit components, the tips are spring loaded to reduce problems of hand unsteadiness and protect against breakage. Very comfortable grips reduce fatigue and aid accurate probing. Fits Fluke, Jensen, Tek and other manufacturers DMMs and test equipment.

Cat. No.	Mfr. No./Description	Each
136-275	6275 Precision Probe Set, Stainless	$14.00
136-342	6342 Precision Probe Set, Gold Plated	16.00

SMD Grabber® Minipincer™ Test Clips



Two-part grabber/minipincer jaws slip around both sides of a component leg. No need for backside clearance on component leg. **SMD Grabber** opens .040", extends .060", and is 1.7" overall. **Minipincer** opens .087", extends .110", and is 2.6" overall.

Contact jaws are gold plated. Ten different colors in each pack.

Cat. No.	Description	Each
136-122	SMD Grabber, 6", 10/pk.	$53.00
136-121	SMD Grabber, 12", 10/pk.	53.00
136-155	SMD Grabber, 24", 10/pk.	55.00
136-124	Minipincer, 8", 10/pk.	53.00
136-125	Minipincer, 12", 10/pk.	53.00
136-127	Minipincer, 24", 10/pk.	53.00



7-Piece Deluxe Electronic Lead Kit

Contains red and black 48" leads that pair with probe handles, alligator clips, extended probe tips, minigrabber leads, minipincer leads, slide-on IC covers, two spade lugs and nylon roll pouch.

Cat. No.	Description	Each
136-674	Deluxe Electronic Lead Kit, 7 pc.	$69.00

Multimeter Test Leads Set



Interchangeable plug on probes (one red, one black), two standard probes, two hook probes, two alligator clips, and two spade lugs. Fits most multimeters. 48" long.

Cat. No.	Description	Each
701-163	Multimeter Test Leads Set	$35.00

Call for quantity pricing.

11-Piece Probemaster Softie Probe Set

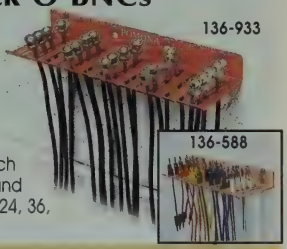


- **Screw on tips**

Flexible probes bend 90° or more. Includes two each of spring hooks, alligator clips, spade lugs, and tip covers in storage pouch. Leads are 48" long with 10A maximum current rating.

Cat. No.	Description	Each
916-202	Probemaster Softie Probe Set, 11 pc.	$23.95

Pomona Rack-O-Bananas/Rack-O-BNCs



- **Complete ready to hang banana kits: 7 lengths, 4 leads each, 7 colors or red/black pairs.**
- **21-piece BNC kit: 5 lengths, 4 leads each**

Stackable banana connectors each end 18 AWG wire 4, 8, 12, 18, 24, 36 and 48". BNC-to-BNC kit RG-58 lengths 12, 24, 36, 48, and 60". Wall rack included.

Cat. No.	Description	Each
136-588	Multi-Color Banana Kit	$99.00
136-589	Red/Black Pairs Kit	99.00
136-933	BNC-to-BNC w/Rack	139.00
136-005	Test Lead Holder	9.95

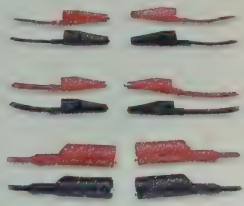
Pomona 31-Piece Maxi-Kit



Contains two red/black pairs of 48" test leads. One pair has fixed handle extendible needlepoint probes. The other uses standard sheathed banana jacks and adapts to tip probe handles, alligator clips, large clips, minigrabber leads, minipincer leads, spade lugs and couplers. Interchangeable tips, one pair each of dog-leg, needle, shoulder, and four standard brass tips. Nylon roll pouch.

Cat. No.	Description	Each
136-677	Pomona Maxi-Kit, 31 pc.	$95.00

Pomona 10-Piece Alligator Test Lead Kits



Five red/black pairs. PVC insulated wire and boots each end. **Light-Duty Test Lead** is 20 AWG, 1.2" nickel plated clip. **Regular Test Lead** is 18 AWG, same clip. **Heavy-Duty Test Lead** uses 18 AWG and 2" clip.

Cat. No.	Description	Each
136-553	Light-Duty 12" Lead Kit, 10 pc.	$30.00
136-551	Light-Duty 24" Lead Kit, 10 pc.	30.00
136-554	Regular 12" Lead Kit, 10 pc.	34.00
136-555	Regular 24" Lead Kit, 10 pc.	36.00
136-558	Heavy-Duty 24" Lead Kit, 10 pc.	39.70
136-559	Heavy-Duty 36" Lead Kit, 10 pc.	37.40

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ScopeMeter® 190 Series

- Now with new waveform math
- Up to 200MHz
- Connect-and-View speeds troubleshooting
- 2.5GS/s real-time sampling
- 27,500 point deep memory

The next generation of Fluke ScopeMeters offers high performance in a handheld, battery powered instrument. The case is rugged, shockproof with integrated holster. It is drip and dust-proof to IP51. The display is improved with a CCFL backlight for uniform lighting. The ScopeMeter has 10 memory locations that each can contain two waveforms plus corresponding setup. In Recorder mode it has two memory location that each can contain 100 captured dual iput scope screens, or a dual input ScopeRecord (27,500 min-max pairs per input), or a dual input Trendplot (13,500 min-max pairs per input). All of these memories can be time/date stamped.

The ScopeMeters now include waveform math functions. Now you can A+B, A-B and A*B. View lissajous patterns with X vs Y to evaluate the phase differences between two signals. And automatic rise time and fall time measurements for troubleshooting digital circuitry.

ScopeMeter has input voltage ratings of 1000V Cat II, 600V Cat III. They are powered by either line power via the adapter/charger or the installed 4 hour rechargeable batteries. ScopeMeter comes complete with rechargeable battery pack, AC adapter/recharger, two test leads with hook clips, and user manual.

Specifications	192	196	199
Bandwidth	60 MHz	100 MHz	200 MHz
Risetime	5.8ns	3.5ns	1.7ns
Sample rate	500MS/s	1 GS/s	2.5 GS/s
Timebase range	10ns/div~5s/div	5ns/div~5s/div	

Cat. No.	Description	Each
317-0199	199 ScopeMeter	$2595.00
317-0198	199 ScopeMeter w/SCC kit	2985.00
317-0196	196 ScopeMeter	2295.00
317-0197	196 ScopeMeter w/SCC kit	2685.00
317-0192	192 ScopeMeter	1995.00
317-0191	192 ScopeMeter w/SCC kit	2385.00
317-0190	C190 Hard carry case	135.00
317-0195	C195 Soft carry case	120.00
317-0193	FlukeView Software	195.00
317-255	Opto-isolated RS/232 cable (reg. For FlukeView)	145.00
317-0189	BP190 Spare battery pack	105.00
317-0188	BC190/803 stand-alone battery charger	75.00
317-0199-C	199 ScopeMeter w/Certified Calibration	2720.00
317-0198-C	199 ScopeMeter w/SCC kit and Certified Calibration	3110.00
317-0196-C	196 ScopeMeter w/Certified Calibration	2420.00
317-0197-C	196 ScopeMeter w/SCC kit and Certified Calibration	2810.00
317-0192-C	192 ScopeMeter w/Certified Calibration	2120.00
317-0191-C	192 ScopeMeter w/SCC kit and Certified Calibration	2510.00
317-803	803 1000s 1000AAC current probe	395.00
317-804	804 10s AC/DC 50mA~100A current probe	395.00

Features	
Glitch capture	50ns
Display modes	Ch 1, Ch 2, dual, average, persistence, invert, replay
Acquisition modes	Normal, auto, single shot, ScopeRecord, roll, glitch capture
Trigger and delay	Ch 1, Ch 2, ext. automatic, free run, single shot, edge, delay, video, video line, selectable pulse width
Video triggering	NTSC, PAL, PAL+, SECAM w/ field 1 & 2 and line select
Pulse width triggering	<t, >t, =t, <>t from 0.01 div to 50ns
Time delay	9 div. Pre-trigger view to 1000 div trigger delay
Automatic measurements	VDC, VAC, VAC+DC, Vpeak max, Vpeak min, Vpeak to peak, Hz, ± pulse width, ± duty cycle, AC/DC amps, AC+DC amps, power factor, watts, VA, VA reactive, phase, dBV, dBm
Cursor measurements	Voltage and time at cursor or between cursors
DMM counts	5000
Voltage range/accuracy	500mV~1000V @ ±0.5%
Ohms range/accuracy	500~30M @ ±0.6%
Continuity	X
Diode test	X

ScopeMeter 123

- **Perfect for industrial technicians**
- **Hands-off scope readings**
- **Rugged and reliable**

Features	Specifications
Bandwidth/Channels	2 x 20MHz
Volts per Division	5mV-500V
Memory	2 screens and 10 set-ups
DMM Channels	2 true RMS to 1250V
Counts Displayed	5000
Accuracy	±0.5%
Measurements	temp, current, duty, pulse width, dB, Hz
RS-232	optically isolated
Capacitance	50nF to 500µF

Designed for industrial troubleshooting and built tough with an integral protective holster and drip proof case. Connect-and-View lets you view even complex motor control signals without touching a button. And you can take all your readings with a single probe; scope, meter, capacitance and resistance. To read current, order optional Clamps. It can act as a recorder, to track intermittent problems. Large, backlit display, simple menus and up to 5 hour battery life will make you more productive immediately. 317-123 comes complete with AC adapter/charger, shielded test lead set, alligator clips, hook clips, shielded BNC adapter, user's manual and rechargeable battery. 2 x 4 1/2 x 9", 2.5 lbs. Three year warranty.

Cat. No.	Mfr. No./Description	Each
317-123	ScopeMeter 123 Industrial Scope	$1195.00
317-123-C	ScopeMeter 123 w/Calibration Certificate	1295.00
317-124	ScopeMeter 123 w/SCC 120 Kit	1490.00
317-124-C	ScopeMeter 123 w/SCC 120 Kit w/Calibration Certificate	1590.00
317-128	BP120 Spare Battery Pack	40.00
317-129	FlukeView for Windows	195.00
317-136	SCC120 Kit; C120, Serial Cable, BB120, FlukeView	295.00
317-138	C125 Compact Soft Case w/Belt Loop	25.00
317-004	80i-110s AC/DC Current Clamp 0 to 100A (req. for amps)	395.00



860 Series Graphical™ Multimeter

- **High accuracy for demanding applications**
- **Bridges the gap between o'scope and meter**
- **Big display shows multiple waveforms and readings**

Features	Range	Best Accuracy 867B	Resolution
Volts DC	0-1000V	±0.025%	0.01V
Volts AC	0-1000V	±0.5%	0.01V
Amps DC	0-10A	±0.05%	0.01µA
Amps AC	0-10A	±0.75%	0.1µA
Resistance	30-32MΩ	±0.07%	0.01Ω
Capacitance	10000pF-10000µF	±1.9%	10pF
dB/dBm	2-1200Ω reference	±0.5dB	0.01dB
Frequency	2Hz- 10MHz 2Hz-2MHz	±0.05% ±0.05%	0.01Hz n/a

Designed for those who need an extremely accurate, true RMS meter and the ability to view dynamic waveforms. Features include TrendGraph™ for plotting meter readings for up to 30 hours. Capacitance, duty cycle, pulse width, period and frequency are displayed directly. Min/Max with time stamp, dB measurements and component testing are included. Order optional **317-009** to run on AC or Rechargeable NiCads and Charger included with 317-867. (317-867 can use 6 AA batteries if NiCads run out.) 9.7 x 5.4 x 2.75", 3 lbs. Three year warranty.

Cat. No.	Mfr. No./Description	Each
317-867	867B Graphical Multimeter w/Backlight	$995.00
317-867-C	867B w/Calibration Certificate	1090.00
317-672	FlukeView™ Software and Serial Cable for PC	245.00
317-007	C789 Soft Case	80.00
317-203	Rechargeable NiCad Battery	129.00
317-204	Battery Charger, External	119.00
317-009	Battery Eliminator, 120VAC	65.00

For replacement batteries, see page 311



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Handheld Digital Oscilloscopes

- **Bench top power in the palm of your hand**
- **Video and external triggering**
- **Up to 200MHz bandwidth**

TekScopes use digital real-time sampling to obtain the most accurate waveforms possible and to enhance single-shot capture. They store up to 2500 points so you can capture events and view them in-depth, scrolling and zooming to see details. Advanced triggering lets you use a dedicated external trigger input with delay, pulse width or video (line or field). Use the quick menus to select one of twenty-one built-in automatic measurements to speed your troubleshooting.

TekScopes also have a built-in true RMS digital multimeter which can be used simultaneously with and independently of the o'scope section. They operate on nickel cadmium batteries or AC. Spare batteries and charger are available to extend working times. A built-in RS-232 port lets you program and download from the scope. We recommend the optional Wavestar Windows software. Storing and downloading waveforms for comparison measurements in the field can vastly improve productivity.

TekScopes come with two scope probes, meter leads, battery pack, AC power adapter, soft case, cable and adapters for RS-232 port, and user manual. Case has built-in tilt stand. TekScopes can use any o'scope accessory. 7 x 8.5 x 2", 3.2 lbs. Three year warranty protects your investment and each oscilloscope comes with a calibration certificate.

Oscilloscope Specifications

Features	THS730A	THS720A	THS720P
Bandwidth/Channels	200MHz x 2 channels	100MHz x 2 channels	100MHz x 2 channels
Sampling Rate/Channel	1GS/s	500MS/s	500MS/s
Record Length	2500 points		
Waveform Storage	10 Waveforms		
Cursor Measurements	ΔVolts, Δ Time, 1/Δ Time (Hz), Phase degree		
Automatic Measurements	Period, ±Width, ± duty cycle, high, low, peak-to-peak, mean, cycle mean, burst width, frequency, rise and fall time, ±overshoot, minimum, maximum, amplitude, RMS, cycle RMS		
Sensitivity	5mV to 50V/division		

DMM Specifications

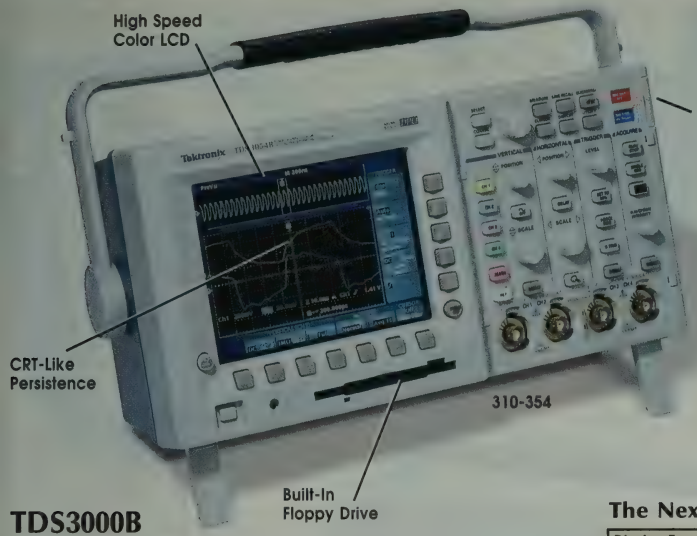
DC Volts	400.0mV to 880V ±0.5%
AC Volts	400.0mV to 640V ±2%
Resistance	400.0Ω to 40.00M Ω±0.5%
Diode Test	0 to 2.0V
Continuity	audible tone at <50 Ω
dB and dBm	referenced from 1 to 10mV or 50 to 600 Ω
Maximum Float	600Vrms
Resolution	4000 counts (e.g. 4.001 Volts, 390.0 Ω)

720P Specifications

Vertical Resolution	8 bits
600Vrms Floating Measurement	✓
PWM Motor Drive Trigger	✓
Harmonics to 31st	✓
Power Measurements	True, apparent and reactive power, THD - R and F, power factor, displacement power factor, ø phase difference Volts to Amps

Cat. No.	Mfr. No./Description	Each
310-730	THS730A Oscilloscope	$3495.00
310-975A	THS720A Oscilloscope	2995.00
310-720	THS720P Oscilloscope w/Power Measurements	3295.00
310-013	Large Hard Carrying Case	295.00
310-014	Spare Battery Pack	90.00

Cat. No.	Mfr. No./Description	Each
310-011	Charger for Spare Battery	$325.00
310-022	P6117 x 10 Replacement Probe for THS720/730/710	120.00
310-102	P5102 1KV Probe (included with THS720P)	250.00
310-777	P5100 2.5KV Probe	250.00
310-941	WaveStar Scope Software for Windows	395.00





TDS3000B
Digital Phosphor Oscilloscopes

What's New?

➥ **Faster CPU** ➥ **Faster screen update**
➥ **Web-based control** ➥ **More measurements**
➥ **More accurate time-base** ➥ **Built-in Ethernet**
➥ **External trigger on 4 channel units** ➥ **WaveAlert™**
➥ **Available plug-in printer**

The TDS3000B is the most powerful and portable troubleshooting tool available. Digital Phosphor technology gives you the advantages of analog displays with persistence; brighter where the trace spends more time, dimmer where it spends less. Ideal for analyzing complex waveforms in video, audio, communications and analog circuitry. Plus you get all the power of digital storage and analysis.

WaveAlert monitors signals and highlights any deviations from normal of signals under test. The scope stops acquisition, beeps, and stores the anomaly. Perfect for long-term unattended detection of infrequent failures. e-Scope gives you web-based control of your TDS3000B from anywhere. Connect the scope to the LAN via its Ethernet port then enter the IP of the scope into a browser.

TDS3000B comes complete with a 10x passive probe for each channel, user manual, CD technical reference, programming manual, and module manual, TDS3FFT module, TDS3TRG module, power cord, front cover, NIST traceable certificate of calibration and a one year warranty.

Options:

TDS3TMT - pass/fail test testing for telecom standard compliance testing.

TDS3AAM - define waveforms as arbitrary math expressions. Adds area and cycle area, differentiation, integration, averaging and statistics and the FFT functions.

TDS3LIM - create waveforms reference templates and use the scope for fast go/no-go testing.

TDS3FFT - included with scope, measure harmonics and impulse response, great for troubleshooting power supplies.

TDS3TRG - included with scope, adds triggering on logic, patterns, state, pulse, pulse width, runt and slew rate.

TDS3VID - extends built-in NTSC, PAL & SECAM triggering with auto-set, custom video set-up, HDTV, line count, field holdoff, graticules, vectorscope, and picture mode.

TDS3PRT - new plug-in printer which attaches to the back of the scope and operates off scope power, giving you hardcopy in the field.

The Next Generation of Digital Oscilloscopes

Display Type	Advantages	Disadvantages
ANALOG REAL-TIME DISPLAY	Fast updating Intensity grading Displays complex waveforms	Blink and miss No storage Edge triggering only
DIGITAL STORAGE DISPLAY	Storage of waveforms Complex triggering	Misses details of complex waveforms Slow sample rates miss infrequent signals Slow updating
DIGITAL PHOSPHOR DISPLAY	**ALL OF THE ADVANTAGES**	**NONE OF THE DISADVANTAGES**

Cat. No.	Mfr. No./Description	Each
310-354	TDS3054B 4ch 500MHz DPO	$9995.00
310-304	TDS3034B 4ch 300MHz DPO	6595.00
310-314	TDS3014B 4ch 100MHz DPO	4495.00
310-352	TDS3052B 2ch 500MHz DPO	6895.00
310-332	TDS3032B 2ch 300MHz DPO	4195.00
310-312	TDS3012B 2ch 100MHz DPO	3395.00
310-004	TDS3BAT battery pack	395.00
310-005	TDS3CHG fast charger	125.00
310-006	AC3000 soft carry case	160.00
310-008	TDS3GV RS-232/GPIB/VGA module	395.00
310-007	RM3000 rackmount kit	295.00
310-039	TDS3TRG trigger module	595.00
310-040	TDS3VID extended video module	595.00
310-041	TDS3FFT FFT module, inc. w/scopes	595.00
310-942	WSTRO WaveStar software	319.00
417-713	TDS3AAM Advanced analysis module	495.00
417-714	TDS3LIM Limit test module	495.00
412-537	TDS3TMT Telecom mask test module	1195.00
417-716	TDS3PRT Plug-in printer	595.00

Specifications	TDS3012 310-312	TDS3032 310-332	TDS3052 310-352	TDS3014 310-314	TDS3034 310-304	TDS3054 310-354
Bandwidth	100MHz	300MHz	500MHz	100MHz	300MHz	500MHz
Channels	2	2	2	4	4	4
Sample Rate	1.25GS/s	2.5GS.s	5GS/s	1.25GS/s	2.5GS.s	5GS/s
Record Length	10K points					
Triggers	Edge, video (logic and pulse reqs. TDSTRG option)			Edge, video, logic, pulse		
Measurements	Period, freq, width, rise/fall time, duty cycle, overshoot, hi/lo, min/max, Pk-Pk, amplitude, mean, cycle mean, RMS, cycle RMS, burst width			...and FFT		

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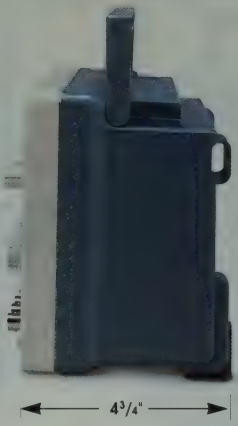
TDS 200 Digital Real-Time Scopes

- Analog ease-of-use
- Low cost
- Small footprint

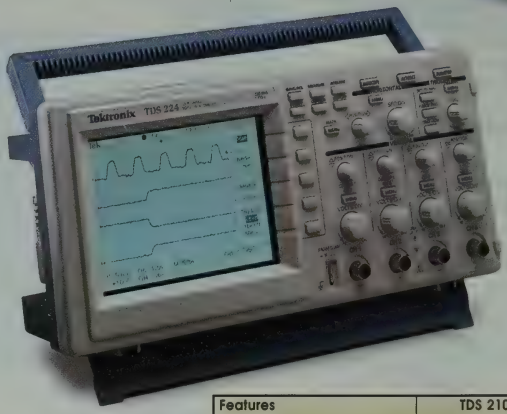
No other digital scope offers as much bandwidth and sample rate for the price. Digital storage technology supports features not available on analog oscilloscopes, including automatic measurements, peak detect, storage of two reference waveforms, five front panel set-ups, and autoset, which automatically sets vertical, horizontal and time-base. The high sample rate allows real-time (meaning accurate) acquisition of waveforms up to the full bandwidth of the scope.

The TDS 200 series is enhanced with plug in modules which add features and strengthen your troubleshooting productivity. These modules are very easy to install. Just plug them into the back of the scope and they're ready to go. The **Communications Module** gives your TDS 200 a Centronix printer port, RS-232 input/output and GPIB programmability. The **Measurement Module** adds fast fourier transform (FFT), risetime, falltime, positive and negative pulsewidth. It also includes all the ports in the communications module.

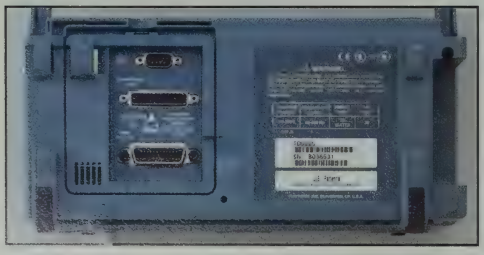
TDS 200 comes with two P6112 100MHz 10x passive probes, user manual, US power cord, and calibration certificate. 12 x 6 x 4 3/4", 3.25 lbs. Three year warranty.







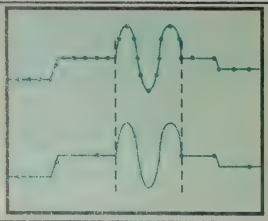
Features	TDS 210	TDS 220	TDS 224
Channels and Bandwidth	2 x 60MHz	2 x 100MHz	4 x 100MHz
Sample Rate per Channel	1 GS/s		
Record Length	2 x 2500 points		
Automatic Measurements	Period, frequency, cycle RMS, mean, peak-to-peak		
Waveform Math	Add, subtract, Invert		
Acquisition Modes	Sample, average, peak detect		
Triggers	Edge, video (NTSC, PAL, SECAM) line or field		
Cursors	ΔT, 1/ΔT, ΔV		



Module plugs into back of scope

Cat. No.	Mfr. No./Description	Each
310-210	TDS 210 Digital Real-Time Scope	$1195.00
310-220	TDS 220 Digital Real-Time Scope	1795.00
310-224	TDS 224 4Ch. Digital Real-Time Scope	2495.00
310-027	Communications Module	265.00
310-018	Measurement Module	495.00
310-026	Softside Carrying Case	69.00

Digital Real-Time Sampling



Tektronix TDS Scopes and TekScopes use Digital Real-Time Sampling to provide highly accurate waveforms and accurately capture fast single-shot events. By increasing the sampling rate to 5X the analog input bandwidth, the scopes can display non-repetitive waveforms up to their stated analog bandwidth without distortion. Equivalent-time sampling scopes have much lower sampling rates. They require stable and repetitive input signals and build a waveform by sampling over several trigger cycles. They cannot accurately capture single-shot events except when they are far slower than the analog bandwidth.

Replacement and Accessory Probes for Tek Scopes







Probe Type	TDS 200 Scopes	TDS3012/3014	TDS303X/305X	TDS 400 Scopes	THS 700 Scopes
Passive X10	P6112 100MHz	P3010 100MHz	P6139A 500MHz	P6138A 400MHz	P6117 200MHz
Passive X1/X10 Switchable	P6129B 10MHz/100MHz				
High Voltage X100	P5100 250MHz 2.5kV				P5102* 100MHz 1kVAC
Differential High Voltage	P5200 25MHz 1.3kV diff DC + AC max				n/a
Current AC/DC	A622 DC-100kHz 100A 11.8mm				A622

= Included with Scope

*Standard with THS 720P only (see page 86)

Cat. No.	Mfr. No.	Each
310-024	P6112	$95.00
310-109	P6109B	120.00
310-030	P6129B	165.00
310-631	P6138A	249.00

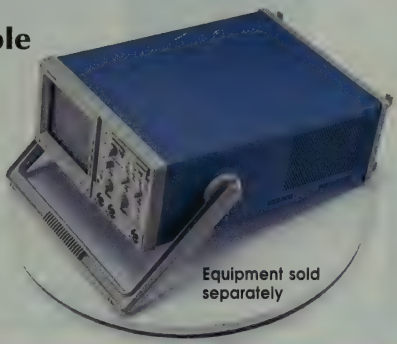
Cat. No.	Mfr. No.	Each
310-777	P5100	$250.00
310-102	P5102	250.00
310-520	P5200	499.00
310-301	P3010 TDS3000 Repl.	110.00

Cat. No.	Mfr. No.	Each
310-022	P6117	$120.00
310-655	A622	495.00
310-010	P6139A TDS3000 Repl.	295.00

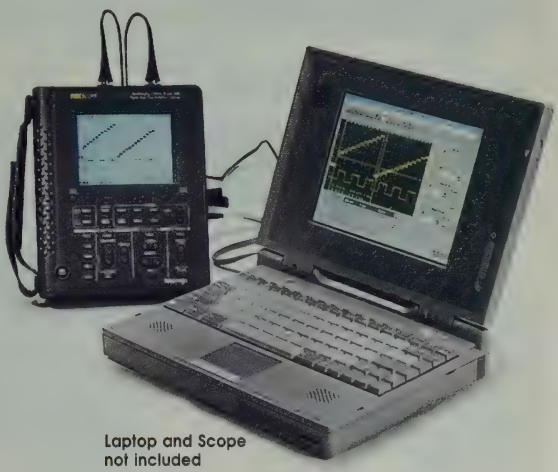
Bench Turntable

- Share test equipment
- Service equipment faster

Strong turntable can be easily used to share test equipment between benches or to access equipment being tested. 1/2" thick laminated base rests on ball bearing mount (does not lock).



Cat. No.	Description	Each
767-509	Bench Turntable, 24" dia.	$71.00
767-093	Bench Turntable, 16" dia.	55.00



Scope Transit Case

Extremely rugged foam-filled case for safe transport of scopes and accessories. O-ringed for tight seal. Wheels and retractable handle for easy movement. ATA 300 category I certified for airline transport. Two-inch thick foam layers easily cut to accommodate any configuration. 30 x 25 x 15". Lifetime warranty on latches.



Cat. No.	Description	Each
356-750F	Scope Transit Case	$458.00

WaveStar Scope Software

Inputs, publishes, and archives simple waveforms from all Tek storage scopes with data output. Imports data into hundreds of DOS or Windows programs for graphing, analysis or publishing. Prints direct to printer or plotter. You may also output waveform setups from WaveStar to the scope. 3 1/2 and 5 1/4" diskettes. Intel-based PC running DOS 3.2 and up.

Cat. No.	Description	Each
310-941	WaveStar Scope Software	$395.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Oscilloscopes

- **Analog look and feel**
- **Add on modules**
- **Automatic and cursor measurements**

Designed for general purpose use and troubleshooting the 54600 family of scopes has something to offer everyone. Familiar controls and interactive displays are easy to use. Digital storage provides powerful measurements and outstanding waveform analysis. Each scope is engineered to exacting standards of accuracy and durability.

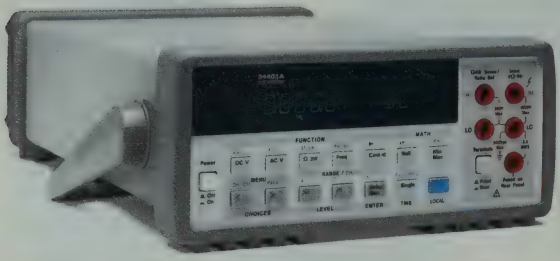
There are seven models to choose from that best meet your needs. Dual channel 100MHz up to 500MHz color display models are available. 12.7 x 6.8 x 12.5", 14 lbs. Three year warranty.

Cat. No.	Mfr. No./Description	Each
400-003	54610B Oscilloscope	$4995.00
400-004	54615B Oscilloscope	5695.00
400-005	54616B Oscilloscope	6695.00
400-006	54616C Color Oscilloscope	7695.00
400-014	Measurement/Connectivity Kit for RS-232	695.00

Specifications	54610B	54615B	54616B	54616C(Color)
Bandwidth Ch. 1 & 2	500MHz			
Sample Rate	20MS/s	1 GS/s	2 GS/s	
Record Length	4000	5000	2000	
Maximum Input	250V	250V		
Triggering	Ch. 1 & 2, line, ext. video	Ch. 1 & 2, line, ext. video		
Measurements	Voltage: average, RMS, pk-pk, top, base, min, max. Time: freq, period, ±width, duty cycle, rise & fall.			
Setups	15 front panel setups			
Screen memory	2 volatile			
Includes	Two 1.5 meter 10X probes, operating and service guide			



The color display in the **54616C** helps you compare signals and highlight important details.



6½-Digit High Accuracy DMM

- **Catch the details that slip past less accurate meters without paying more**
- **Up to 1,000 readings per second direct to HP-IB**

For the price of a 5½-digit DMM, you can now get the top-quality 6½-digit 34401A.

Combines time-saving features with an easy-access user interface. One or two button presses give you a wide array of functions, from DC volts to frequency to dB and dBm. Advanced tests include limit checks that can drive a TTL output, min/max/avg readouts, and DC voltage ratios.

Standard Commands for Programmable Instruments (SCPI) as well as 3478A and Fluke 8840/8842A command languages are built in.

Cat. No.	Description	Each
400-031	34401A Multimeter 6½ Digits	$995.00

34401A Multimeter		
Range	Resolution: 6½ digits ± (% of reading)	Accuracy
dc voltage 100 mV-1000V	100nV	0.0035%
True rms ac voltage 100mV-750V	100nV	0.006%
Resistance 100Ω-100MΩ	100µΩ	0.01%
DC current	10 mA to 3 A ranges	
AC current	1 A to 3 A ranges	
Frequency and period	3 Hz (3.33 s) to 300 kHz (3.33 µs)	
Continuity	1000 Ω range, threshold variable from 1 Ωto 1 kΩ	
Diode test	1 V range, 1 mA test current	
Math functions	Null, min-max-avg, dBm, dB, limit test	
Other features	1,000 reading hold, 512 readings storage, dcV-dcV ratio	
Power	100/120/220/240 V, 45–66 Hz, 360–440 Hz	
Net weight	4.1 lbs	
Size	2.1 x 10.5 x 14.6	
Warranty	Three years	

HITACHI

Easy Operation Analog O'Scope

➥ **Fast measurements with cursors** ➥ **Simple interface**

Solid basic analog oscilloscopes with two input channels and one external trigger input. Provides the fundamentals in waveform analysis, easy operation, quality, reliability, and performance. Microprocessor controlled trigger lock provides stable locks on even complex waveforms after hold off time adjustment. Autoranging sweep times optimize displayed wave-form. The Hitachi scopes come with two probes with 1.5 meter leads and operations manual. 10.8 x 5.1 x 14.1", 13.2 lbs. Three year warranty.

Specifications	VC-1565	VC-695
Bandwidth/Channels	100MHz/2	60MHz/2
Max sweep rate/division	5nS	5nS
Max sensitivity/division	2mV	2mV
Trigger modes	Auto, Norm, TV-V, TV-H, Single	
Delayed sweep	x	x
Cursor measurements	ΔV, ΔT, 1/ΔT	



Cat. No.	Mfr. No./Description	Each
198-565	VC-1565 O'Scope, 100MHz	$1795.00
198-695	VC-695 O'Scope, 60MHz	1550.00

Basic Low Cost Analog O'Scope

➥ **Electronics repair** ➥ **Students and teachers** ➥ **Dual channel**

Solidly built workhorses which provide all the basic test functions with an easy-to-use front panel and big, bright CRT. You get two channels, 1mV/DIV sensitivity, channel 1 output, TV synchronization, trigger level lock, ALT trigger, Z axis input, external trigger, hold-off and more.

The scopes have handles which are adjustable as tilt stands. They come with two 10X/1X switchable probes and user manual. Operate on 100-230VAC at 50/60Hz (switchable). 5.9 x 12.2 x 17.8", 3.75 lbs. One year warranty.

Specifications	13-653	13-622
Channels and Bandwidth	2 x 50 MHz	2 x 20MHz
Vertical System: Sensitivity	1mV-2mV/DIV ±5%, 5mV-5V/DIV ±3%	
Rise Time	7nS	17.5nS
Signal delay line	Permits viewing leading edge of displayed waveform (13-653 only)	
Trigger Sources	CH1, CH2, ALT, LINE, EXT	
X/Y Operation (lissajous)	5mV-5V/DIV DC-1MHz	5mV-5V/DIV DC-2MHz
Z axis	Input impedance 5kΩ DC-5MHz above 3Vp-p	



Cat. No.	Description	Each
13-653	Analog O'scope, 50MHz	$850.00
13-622	Analog O'scope, 20MHz	475.00

DC Power Supplies

➥ **Digital read-outs** ➥ **High output**

Bench-top digital DC power supplies deliver high quality, clean power for your testing and design projects. Choose from single and triple output. Various voltage and current ranges available. One year warranty.

Cat. No.	Description	Each
13-303	Single 30VDC Power Supply	$275.00
13-181	Single 18VDC Power Supply	412.00
13-030	Triple 2 x 30VDC & 1 x 5VDC	580.00

Other combinations available, call for pricing.



13-181



13-303

Specifications	13-303	13-181	13-030
Output channels	Single	Single	Triple 2 variable, 1 fixed 5V
Constant Voltage Operation	0-30V @ ≤ 0.01% regulation ≤ 0.5mV ripple & noise	0-18V @ ≤ 0.01% regulation ≤ 1mV ripple & noise	0-30V @ ≤ 0.01% regulation ≤ 1mV ripple & noise
Constant Current Operation	0-3A @ ≤ 0.2% regulation ≤ 3mA ripple	0-10A @ ≤ 0.2% regulation ≤ 3mA ripple	0-3A @ ≤ 0.2% regulation ≤ 3mA ripple
Meter(s)	Volts/Amps selectable		2 x Volts/Amps selectable
5V fixed output	n/a		0-3A ≤ 5mV regulation ≤ 2mA ripple
Power source	100-240VAC 50/60Hz		
Dimensions	5.7 x 5 x 11.2", 11 lbs		5.7 x 10 x 13", 25.3 lbs



13-030

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



33-760



33-293

Affordable Benchtop Power Supplies

- Never overheats, even at max rated loads
- Protects itself and connected equipment from overload
- High power model available

These designs sustain their maximum rated output for extended periods. Even the high power **1688** can generate 20 amps at 14 volts hour after hour without overheating. Current limiting, short circuit, reverse polarity and overvoltage protection. For precise accuracy and adjustability in engineering and technical troubleshooting, the **1735** or the **1760** are the best choice. For raw power, hour after hour, when precision is less important, order the **1686** or **1688.**

Cat. No.	Mfr. No./Description	Each
33-735	1735 Benchtop Power Supply	$389.00
33-760	1760 Benchtop Power Supply	650.00
33-686	1686 Benchtop Power Supply	199.00
33-293	1688 Benchtop Power Supply	299.00

Features	1735	1760	1686	1688
Output Voltage	0-30V	0-30x2 4-6.5Vx1	3-14V	3-14V
Output Current	0-3A	0-2Ax2 0-5Ax1	2.5A-12.0A	4.5A-20.0A
Regulation Volts	≤0.01%+3mV	≤0.01%+3mV	≤0.8%	≤0.8%
Regulation Amps	≤0.2%+3mA	≤0.2%+3mA	≤0.8%	≤0.8%
Power	115VAC	115VAC	115/230VAC	115/230VAC
Requirements	60Hz	60Hz	50/60Hz	50/60Hz
Dimensions	6.2 x 5.5 x 12.5"	5.7 x 10.5 x 15"	5.5 x 5.9 x 12"	5.5 x 5.9 x 12"
Weight	8 lbs.	21 lbs.	12.1 lbs.	19.8 lbs.
Country of Origin	Made in USA		Made in Hong Kong	



Output		0~64VDC @ 0~10amps
CV Mode	Regulation	±0.01% ±2mV
	Ripple & noise	1mV rms
CC Mode	Regulation	±0.05% ±10mA
	Ripple & noise	4mA rms
Stability	CV	±0.2% ±10mV
	CC	±0.5% ±10mA

BK PRECISION

64VDC Power Supply

- Perfect for telecom industry
- 10A of clean power

A cost effective high power DC power supply which outputs 64 volts at 10 amps with a highly stable regulation of ±0.01%. Ripple and noise are limited to 4mA rms. This is perfect for the telecommunications industry or whenever high power clean DC is required. Special features include the ability to set constant current with no load and remote sense to compensate for wire voltage drop. Constant voltage or constant current operation. Separate switch operates output. 19 x 5.25 x 15.75", 64 lbs. 115VAC operation. Two year warranty.

Cat. No.	Mfr. No./Description	Each
33-791	1791 DC Power Supply	$1350.00

Agilent Technologies

Power Supplies

400-060 has dual voltage and current meters. 6V supply is isolated from the two 25V supplies. 5.2 x 8.4 x 14.2". 18 lbs.

400-061 delivers a full 120W with low noise and 0.01% accurate regulation. 5.2 x 8.4 x 13.7". 21 lbs.

Three year warranty.



HP E3631A Triple Output				HP E3632A Single Output
DC Power Supply	1	2	3	DC Power Supply
DC outputs				
Voltage	0 to +25V	0 to -25V	0 to 6V	0 to +15V, 7A
Current	0 to 1A	0 to 1A	0 to 5A	0 to +30V, 4A

Cat. No.	Mfr. No./Description	Each
400-060	HP E3631A Triple Output Programmable Power Supply	$1095.00
400-061	HP E3632A Single Output Programmable Power Supply	995.00

Agilent Technologies

DC Power Supplies

Provides clean power with dependable regulation and fast transient response. Load and line regulation is 0.01% + 2 mV.

Three year warranty.

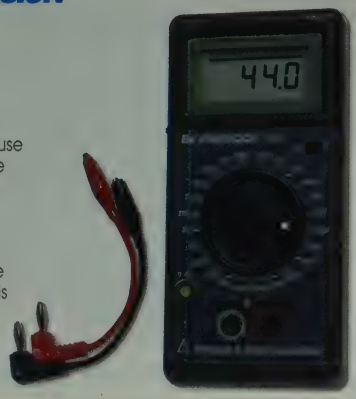


HP E3600 Series DC Power Supplies				
	HP E3610A	HP E3614A	HP E3615A	HP E3630A
Number of outputs	1	1	1	3
Output (max. voltage, current)	8V, 3A or 15V, 2A	8V, 6A	20V, 3A	+6V, 2.5A +20V, 0.5A -20V, 0.5A
Size	3.6 x 8.4 x 12.6"	3.6 x 8.4 x 15.8"		3.6 x 8.4 x 12.6"

Cat. No.	Mfr. No./Description	Each
400-051	HP E3610A Power Supply	$310.00
400-054	HP E3614A Power Supply	525.00
400-055	HP E3615A Power Supply	525.00
400-059	HP E3630A Power Supply	525.00

BK PRECISION

Low Ohm LCR Meter



The rugged 875B LCR meter is a reliable easy-to-use workhorse that will measure inductors, resistors and capacitors quickly and accurately. Utilizing special circuitry, the measurement more closely replicates true in-circuit measurements. It is overload protected and comes complete with test leads, manual, 9V battery and spare fuse. Measures 7" x 3.5" x 1.6" 14 oz.

	Specifications	
	Ranges	Accuracy
L Inductance	200.0µH	±2%
	2.000mH~200.0mH (3 ranges)	±1%
	2.000H~20.00H (2 ranges)	±2%
	200.0H	±3%
C Capacitance	200.0pf~200.0µf (7 ranges)	±1%
	2.000mf~20.00mf (2 ranges)	±2%
R Resistance	2.000Ω~200.0kΩ (6 ranges)	±1%
	2.000MΩ~20.00MΩ (2 ranges)	±2%

Cat. No.	Mfg. No./Description	Each
33-875	875B LCR Meter	$189.00



Agilent Technologies

Function Generators

Provides arbitrary waveforms for the first time in this price range. 100V/120V/220V/240V. 4.1 x 10.0 x 14.8". 8.8 lbs. Three year warranty.

33120A Function/Arbitrary Waveform Generator	
Waveforms Standard	100 µHz~15MHz Sine, square, triangle, ramp, noise, sin(x)/x, exponential rise and fall, cardiac, dc volts
Arbitrary Waveform Length	8 to 16,000 points
Nonvolatile Memory	Four waveforms
Amplitude Resolution	12 bits
Sample Rate	40 MSa/s

Cat. No.	Mfr. No./Description	Each
400-042	33120A Function/ARB Generator	$1795.00
400-043	33120A Function Generator w/ Optional A PLL TCXO Timebase	2198.00

STACO INCORPORATED

Variable Transformers



Operating on 115VAC line voltage, coil tapping arrangement allows output voltage from 0 to full line voltage or 17% above. Rated output, constant current, 10A for constant impedance output at line voltage, rated output is 13A. Operates from 60-1500Hz with no reduction in output current; slight reduction in current from 1500-2000Hz. AC voltmeter with 3% full scale accuracy. Non-isolated. Ventilated steel case, three wire cord, receptacle, switch, pilot light fuse. 7.5 x 5 x 5.5". One year manufacturer's warranty.

Cat. No.	Description	Each
282-010	Variable Transformer w/Meter	$365.00
282-333	Variable Transformer w/o Meter	219.00



Capacitance, Resistance and Inductance Substitution Boxes

Direct reading, side-by-side thumbwheel switches are color-coded to separate ranges. Resistance switching is continuous, will not break circuit. Compact, portable, ruggedly built. **513-550** is a combination of the **513-300/200** in a single convenient package. It features a shorting link to allow both sections to be coupled, the resistance and capacitance may be used independently, in series, or in parallel. Inductance 1mH to 999mH with 2% tolerance. Resistance from 1Ω to 9,999,999Ω with 1% tolerance; 1/2 watt rating, capacitance from 100pF to 99.9999µF with 4% tolerance. Precision versions of above capacitance and resistance boxes are available with improved accuracy: resistance box 0.1%, capacitance box 1%.

Cat. No.	Description	Each
513-300	Capacitance Substitution Box	$149.00
513-200	Resistance Substitution Box	139.00
513-550	Combination Resistance/Capacitance Substitution Box	269.00
513-400	Inductance Substitution Box	449.00
513-301	Precision Capacitance Substitution Box	289.00
513-201	Precision Resistance Substitution Box	269.00
513-502	Precision Resistance/Capacitance Substitution Box	529.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Digital Thermometers

- **0.2°F resolution**
- **Use K- or J-type thermocouples**

Compact and handheld with accurate and repeatable measurements. Readout in °F or °C. Highest accuracy: ±(1% of reading +1.3°F). Reading hold button. Offset pot for field calibration of thermocouple-thermometer for increased accuracy.

317-520 is dual input and features differential measurement (T1-T2), scan mode (T1, T2, T1-T2), min/max data storage. Comes with two K-type thermocouple bead probes.

317-510 is single input without the above features, with a single probe. 9V battery included. 1.2 x 2.95 x 6.55". Three year warranty.

Cat. No.	Mfr. No./Description	Each
317-520	Model 50D Thermometer (shown)	$139.00
317-510	Model 50S Thermometer	109.00
24 317-520-C	Model 50D w/Calibration Certificate	189.00
24 317-510-C	Model 50S w/Calibration Certificate	159.00
317-025	Optional Vinyl Case	17.00

For replacement batteries, see page 311

Jensen ships the Calibrated Meters with this symbol within 24 hours. 24

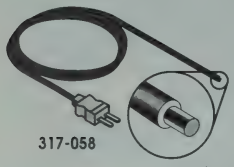


50 Series 2 Thermometers

- **Now with twice the accuracy**
- **Datalogging available**

Larger backlit displays, splash and dust resistant cases, overmolded rubber holsters, laboratory accuracies and datalogging are some of the new features. This gives you an easier to use, more rugged, and more precise instrument for field temperature measurements. They can use the ToolPak meter hanger. Each thermometer comes with one beaded probe per input, manual and 9V battery.

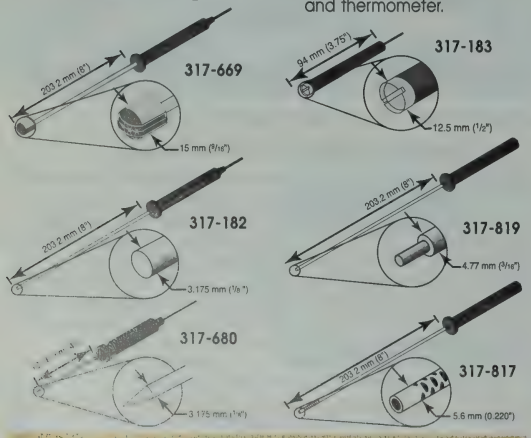
	54-2	53-2	52-2	51-2
Accuracy	±0.05%+0.5°F			
TC Types	K,J,T,E,N,R,S		K,J,T,E	
Time Stamp	✓	✓	✓	✓
Min/Ma3/Avg Recording	✓	✓	✓	✓
Differential Temp	✓		✓	
Datalogging	500 Points			
PC Interface	✓	✓		



317-058

K-Thermocouple Optional Probes for 50 Series

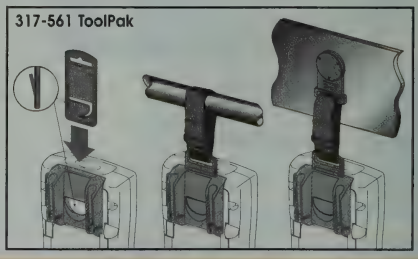
Terminated with a standard K-style (yellow) jack. For Fluke digital thermometers and thermometer.



Cat. No.	Mfr. No./Description	Temp. Range	Each
317-058	80PK-1 Beaded Probe	-40 to 500°F	$13.00
317-182	80PK-2A for Liquids	-320 to 1994°F	47.00
317-183	80PK-3A for Surfaces	32 to 500°F	87.00
317-817	80PK-4A for Gases	-320 to 1500°F	64.00
317-680	80PK-5A for Food or Liquid	-320 to 1500°F	58.00
317-819	80PK-6A Extended Beaded Probe	-320 to 1500°F	65.00
317-669	80PK-7A Industrial Surface Probe	-196 to 1112°F	189.00

Enhance Your 50 Series 2 with ToolPak

ToolPak snaps onto the back of your Fluke 87-IV or 89-IV and provides a universal hanger, straps and magnet to hang your thermometer.



Cat. No.	Mfg No./Description	Each
317-504	54-2 Dual Input Thermometer w/Recording	$299.00
24 317-504-C	54-2 Dual Input Thermometer w/Calibration	349.00
317-530	53-2 Single Input Thermometer w/Recording	249.00
24 317-530-C	53-2 Single Input Thermometer w/Calibration	299.00
317-522	52-2 Dual Input Thermometer	219.00
24 317-522-C	52-2 Dual Input Thermometer w/Calibration	269.00
317-512	51-2 Single Input Thermometer	169.00
24 317-512-C	51-2 Single Input Thermometer w/Calibration	219.00
317-189	FlukeView Forms Software/Cable for 54-2 and 53-2	150.00
317-561	ToolPak Hanger	25.00

For replacement batteries, see page 311

QuickTemp Infrared Thermometer



- Easy-to-use, just point and read
- Laser-equipped for precise aim

Low cost way to take temperature measurements without having to touch the item being measured. Stand safely away from hot or moving parts while taking accurate (±1°) readings from 0-600°F up to a 30' distance. Lightweight and rugged, small enough to go into a tool kit or desk drawer. Complete with 9V battery. One year warranty.

Cat. No.	Description	Each
275-001	QuickTemp IR Thermometer	$120.00
275-002	QuickTemp IR Thermometer w/Laser	170.00

For replacement batteries, see page 311

Measure Temperatures Up to 50' Away



- Safe, no contact required
- Laser equipped for precise measurement

Accurately measures the temperature of any item without touching it, from distances of up to 50'. Measure items and processes while they are operating saving money and time. Measure very hot items without approaching or protective clothing. Choose the **laser sighted model** for more precise aiming.

Field of view is 2 angular degrees, giving you a target size of the distance in feet/30'. Filters out ambient light, water vapor and CO_2 absorption. -20 to 2000°F ±1%. 9V battery included. One year warranty.

Cat. No.	Description	Each
275-100	IR Thermometer	$795.00
275-105	IR Thermometer with Laser	895.00

For replacement batteries, see page 311

EXTECH INSTRUMENTS

Digital Light Meter



- Enhanced accuracy with selectable lighting type
- RS-232 serial interface

The heavy-duty light meter provides professional quality measurement. Large, easy to read 1.4" LCD display (1999 count) operates in Foot Candles or Lux over three ranges (FC 200.0, 2000, 5000; LUX 2000, 20000, 50000). ± 4% accuracy is enhanced by selecting lighting type of tungsten, fluorescent, daylight or mercury. Additional features include record/recall MIN, MAX and AVG readings; data hold; auto shut-off and RS-232 serial interface. Complete with 9V battery and rubber holster. 7 x 2.9 x 1.3", 2.25 lbs. One year warranty.

Cat. No.	Description	Each
608-537	Digital Light Meter	$169.00
608-533	Data Acquisition Cable and Program (DOS)	69.00
608-532	AC Adapter	17.00
608-531	Soft Carrying Case	19.00

For replacement batteries, see page 311

EXTECH INSTRUMENTS

Humidity and Temperature Meter



- Relative humidity with switchable °C/°F
- Analog output for chart recording

10 to 95% RH range, 0.1% resolution and ±3% accuracy. Temperature measurement -4 to 140°F (-20 to 60°C) with a 1.5°F accuracy. 10mV/1%RH, 1°C or 1°F analog output.

Complete with carrying case and 9V battery. One year warranty. 10.6 x 2.7 x 1.0", 8 oz.

Cat. No.	Description	Each
608-770	Humidity and Temperature Meter	$159.00

For replacement batteries, see page 311

Sound Level Meter



- Easily calibrated
- Available with Calibration Certificate

Perfect for testing sound levels to OSHA's requirements. Large display has a resolution of 0.1 dB. Offers A and C dB frequency weighting, fast or slow response, AC or DC output and peak hold. Covers 30-130 dB with an accuracy of ±1.5 dB. Can be easily calibrated with internal oscillator. Includes fold-out tripod stand, carrying case, calibration tool and instructions. One year warranty.

Cat. No.	Description	Each
276-029	Sound Level Meter	$262.00
276-029-C	Sound Level Meter w/Calibration Certificate	286.00



EXTECH INSTRUMENTS

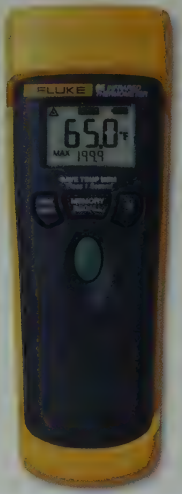
RH/Temp Pen

- Pocket sized
- Min/Max and Hold

Simultaneous readout of °C or °F and % RH. Min/Max memory function for temperature and humidity. Ranges: 10 ~ 90%RH, 32 ~ 122°F (0~50°C). Resolution: 1%RH, 0.1°F or C. One 3V lithium battery.

Cat. No.	Mfr. No./Description	Each
608-002	RH/Temp Pen Probe	$55.00

JENSEN TOOLS INC.
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FLUKE.

Fluke 65 Infrared Thermometer

➥ **Very rugged construction**
➥ **Laser spot aiming**

Designed to take the rigors of field and factory. Shock absorbing holster. Backlit dual LCD display. Measures -40 to 932°F (-40 to 500°C). Measure temperature on hot, electrically live, or rotating equipment accurately from a safe distance. Comes with soft carry case, 2 AA batteries, manual.

Cat. No.	Mfr. No./Description	Each
317-650	Fluke 65 IR Thermometer	$269.00

testo

Air Velocity Meter

➥ **Velocity** ➥ **CFM** ➥ **Temperature**

A well designed meter for measuring air flow, air speed and air temperature. It is perfect for spot checks of HVAC systems, and it is sensitive enough to detect leakage of air around doors and windows. Design features make this product very useful and easy to use: folding probe make for compact size, easy storage. Swivel display and control head for easy operation and viewing at any angle. One button operation. Measures velocity from 0 to 2000 feet per minute, temperature from -4 to +120° F and flow from 0 to 10,000 cubic feet per minute.

Cat. No.	Description	Each
283-405	Air Velocity Meter	$129.00





testo

Compact Digital Manometer

A no-nonsense design for measuring differential pressure. Applications include; pressure drops across fans or filters, flow pressure measurements and positive/negative pressure measurements in compressed air control systems. Design elements include a very compact size, one-button operation, automatic power off, magnetic back for hands-free operation and flexible hose included. The unit measures from -10" to +50" H_2O.

Cat. No.	Description	Each
283-505	Compact Manometer	$99.00

testo

Innovative Humidity Meter

➥ **Temperature** ➥ **Dew point**
➥ **Relative humidity**

An innovative design coupled with advanced features make this meter a good value. The display and control head swivels completely around for easy access and viewing. The probe itself has a clip for pockets or to attach to an air duct register. Twist the end of the probe and the sampling window is closed, protecting the sensor. The meter measures temperature in Fahrenheit, relative humidity in % and dew point in degrees Fahrenheit. This is the only tool we carry which measures dew point. Temperature and dew point ranges -4 ~ 160° F, humidity range 5 to 95%.

Cat. No.	Description	Each
283-605	Humidity Meter	$89.00



Tool Tip

Dew Point vs. Relative Humidity

Relative humidity is the ratio expressed as a percentage of the amount of water vapor present in air at a certain temperature versus the maximum amount of water vapor air at that temperature can hold. Dew point is the temperature at which air becomes saturated and dew forms.

Thus dew point is a much more relevant measure of both comfort level and water vapor content since it is not temperature-dependent as is relative humidity. For example relative humidity could drop by as much as 50% as the temperature rises, while the dew point would actually rise along with the temperature.



744-200



744-250

Fast, Easy Electronics Troubleshooting

- **Minimal electronics training needed**
- **Troubleshoot in circuit with power off**
- **Replaces a bench-full of equipment**

The Trackers inject a precisely controlled sine wave test voltage into the component under test. The CRT displays current over voltage; a signature. Each component has its own unique signature and a failed component's signature is easily recognizable after only a little training. You can even compare to known good components.

Trackers let you troubleshoot without turning on power, which is safer and precludes further damage. By limiting the current and voltage applied, the Trackers do not cause damage to good components, no matter how sensitive they are.

Trackers work on all types of electronic components from power transistors and power supply capacitors down to the newest IC chips. Since it is visually oriented and very safe to operate, technicians with almost no electronics training can troubleshoot the most complex circuit boards, without a schematic.

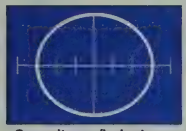


744-400

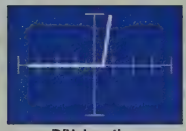
Cat. No.	Mfr. No./Description	Each
744-400	Tracker 4000	$3995.00
744-250	Tracker 2500	2495.00
744-200	Tracker 2000	1895.00



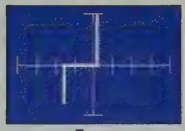
Resistance



Capacitance/Inductance



P/N Junction

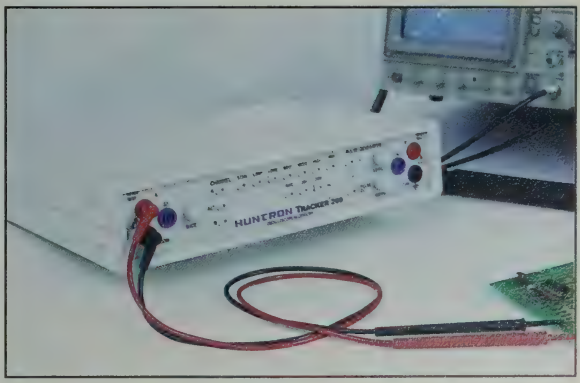


Zener

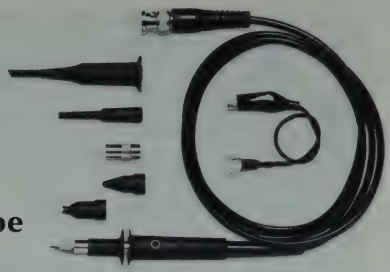
Fast Circuit Board Troubleshooting

By using current-limited AC signals the Huntron Tracker 200 can turn any X-Y input o'scope into a powerful power-off circuit board troubleshooter. Individual components are tested and their current-voltage signature are displayed on the o'scope's screen. Good and bad signatures are easily identified. Find shorts, opens, leaky caps, bad transistors, even ICs and PLCs. Simply hook it up to your o'scope. Comes with probes, o'scope cables, manual. 10 x 11 x 2.5", 4.6 lbs. One year warranty.

Cat. No.	Mfr. No./Description	Each
744-020	Tracker 200	$995.00



JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Pomona Oscilloscope Probe

➥ **Low cost, high quality** ➥ **Perfect replacement probe**

A good quality general purpose passive probe for replacement of lost or damaged probes. Each probe is X1/X10 switchable and rated to 15/100MHz bandwidth. Comes with complete accessory kit. Four foot length.

Cat. No.	Description	Each
136-455	Oscilloscope Probe	$47.00



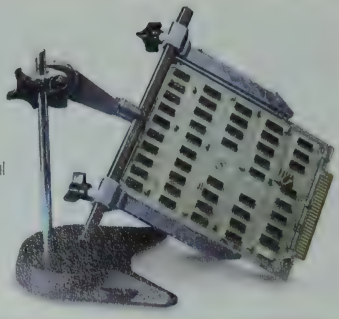
Pomona Mini Hook Test Leads

Banana Plug Cords



Cat. No.	Description	Color	Length	Each
136-016	Mini Hook Test Lead	Red	48"	$6.80
136-017	Mini Hook Test Lead	Black	48"	6.80
136-012	Patch Cord	Black	36"	3.70
136-013	Patch Cord	Red	36"	3.70
136-014	Patch Cord	Black	48"	4.10
136-015	Patch Cord	Red	48"	4.10

Circuit Board Holder



Six vertical tilt positions and eight positive rotational positions to full 360°. Heavy cast iron base. Adjustable spring-loaded arm permits easy board insertion or removal. Accommodates boards up to 13" wide and [illegible]

Cat. No.	Description	Each
441-333	Circuit Board Holder with 13" Crossbar	$68.50





NewTek

Calibar NTSC Test Signal Generator

➥ **Test & calibrate video equipment**

A fast, easy and portable way to calibrate video equipment. Calibar is about the size of a fountain pen but has 24 test pattern functions and black burst generator – as many as most rack systems. With a 10 bit 4Fsc precision digital-to-analog conversion, you get highly accurate test patterns. Operates on AC or 6V battery (sold separately). By simply touching the button, it generates SMPTE color bars with PLUGE; touch again to calibrate convergence and so on. Includes AC power adapter, three BNC adapters, Calibar glasses (to calibrate video monitors), and operating instructions. Under 3 oz.

Cat. No.	Description	Each
61-001	NTSC Test Signal Generator	$349.00

BK PRECISION

Handheld TV Pattern Generator



Portable NTSC Pattern Generator with S-Video, Composite Video and Audio outputs.

This handheld NTSC Pattern Generator is powered by a 9 volt battery providing NTSC color bars, crosshatch, dot, staircase, circle, center cross, windows, and a full range of color raster patterns, including black and white. The available outputs are composite video and audio via two RCA connectors or an S-Video mini-DIN output. Signals can be produced as an interlaced or progressive scanning mode. No Modulated RF signal is provided.

Cat. No.	Mfg. No./Description	Each
33-125	1257 NTSC pattern generator	$199.00
473-005	9V battery required for operation	3.15

Pomona
7/16 DIN Adapter Kit



➥ **Perfect for PCs and cellular techs**

Enables you to connect equipment that has 7/16 DIN connections to other equipment with Type N connections. High resistance to inter-modulation interference. **Kit** contains 7/16 DIN male to 7/16 DIN female right angle, 7/16 DIN male to N male, 7/16 DIN male to N female, 7/16 DIN female to N male, 7/16 DIN female to N female, 7/16 DIN female to 7/16 DIN female.

Cat. No.	Mfr. No./Description	Each
136-716	6254 7/16 DIN Adapter Kit	$415.00

tpi
31-Piece Coax Adapter Kit



➥ **Make any adapter you need**
➥ **Tested to 1GHz**
➥ **High content silver and gold plating**

Cat. No.	Description	Each
701-300	Coax Adapter Kit, 31 pc.	$170.00
701-048	RG-58 Cable, 4', accepts adapters both ends	18.00
701-320	Adapter Connector, connects any two adapters	6.00

Male Cat. No.	Female Cat. No.	Description	Each 1-4
701-322	701-324	BNC Adapter	$7.75
701-326	701-328	N Adapter	8.50
701-330	701-301	UHF Adapter	7.75
701-331	701-335	TNC Adapter	7.75
701-337	701-339	SMA Adapter	10.50
701-340	701-342	Mini-UHF Adapter	7.75
701-344	701-346	F Adapter	6.75
701-348	701-350	RCA Adapter	10.50



tpi
200MHz O'scope Probes

➥ **X10, switchable X1/X10, or X100**
➥ **1.4 meter cable length**

High quality probes for all major brands of oscilloscopes. Four accessory pieces included. Economical fixed **X10** unit.

X1/X10 Switchable Probe is our most popular. Select **X100** attenuation for applications from 400V to 2kV.

Cat. No.	Mfr. No./Description	Each
701-559	X10 200MHz Probe	$42.00
701-557	X1/X10 Switchable 200MHz Probe	49.00
701-553	X100 250MHz Probe	70.00



Pomona
BNC Patch Cables

➥ **Long life design** ➥ **A must for any bench**

High quality cables and connectors make these cables a perfect match for all of you testing and engineering needs. Each has heavy molded strain relief which won't separate from cable or connector. RG58c/u 50Ω cables.

Cat. No.	Description	Length	Each
136-236	Coax Cable w/Strain Reliefs	36"	$11.75
136-248	Coax Cable w/Strain Reliefs	48"	14.65

Converta-Truck Equipment Cart



Computer not included

➥ **Share expensive test gear**

Tubular steel frame with sand enamel finish. 8" rubber wheels, 2 1/2" casters.

Cat. No.	Description	Each
568-990	Converta-Truck	$165.00



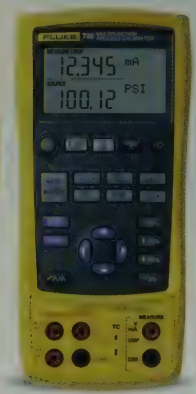
Paladin Tools®
BNC Connector Extractor Tool

The easy answer to removing BNC connectors in high density or hard-to-reach locations. Works on crimp and twist-on connectors.

Cat. No.	Description	Each
497-068	8" BNC Removal Tool	$21.95
497-069	12" BNC Removal Tool	21.95

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Fax Lines: 800-366-9662 • 602-438-1690

Process Control Calibrators



725
Multifunction Calibrator
317-725



787
ProcessMeter
317-308



743B
Documenting Calibrator
317-743

725 Multifunction Calibrator

Versatile, easy-to-use. Use the measure and source functions to test and calibrate almost anything. Its small, streamlined shape makes it easy to carry. A rugged, reliable design stands up to rough factory environments. The dual display lets you view input and output simultaneously. Measure volts, mA, RTDs, thermocouples, frequency and ohms to test sensors and transmitters. Source and simulate volts, mA, thermocouples, RTDs, frequency, ohms and pressure to calibrate transmitters. The 725 includes TL75 test leads, AC70 test clips, one pair of stackable test leads and user manual.

Measure/Source	Range/Type	Accuracy
Volts	0.00mV~10.00V source 0.00mV~30.00V measure	0.02%
mA	0.000mA~24.000mA	0.025
mV (TC terminals)	-10.00~75.00Mv	0.025%
Ohms	0.00Ω~3200.0Ω	0.1~1.0Ω
Freq	2.0~1000.0 CMP 1~1100Hz 1.0~10.0kHz	±0.05% ±0.05% ±0.25%
Loop Supply	24V	10%

787 ProcessMeter

A popular choice for field engineers. Complete DMM and loop calibrator in one compact package. Fluke ruggedness of design and ease of use are also combined in this instrument. Large digit display with analog bar graph and back light make reading easy in all light conditions. The DMM section is a precision 1000V, 440mA multimeter. The calibrator section measures current to 30mA and sources to 24mA into 500Ω Displays current and % of span with auto step and auto ramp. Meets IEC 1010 Cat III standards. Includes protective yellow holster with tilt stand built-in, TL75 test leads, AC70A alligator clips and [illegible]

	787 Specs
[illegible]rement	0.0~1000VAC/DC @ 0.1%
[illegible]ent	0.000mA~1.0A @ 0.05%(mA)
[illegible]	0-20mA/4-20mA @ 0.05% span
[illegible]surements	to 40MΩ @ 0.2%
[illegible]	to 19.999kHz @ 0.005%

Documenting Process Calibrators 740 Series

Handheld tools for calibration and troubleshooting of process control instrumentation. Calibrate temperature, pressure, voltage, current and frequency. Measure and source simultaneously. Document procedures to meet ISO, EPA, FDA, OSHA and other government requirements. Ruggedly constructed, moisture and dust resistant cases. Unaffected by vibration. Operates at temperatures from -10º to 50ºC. High visibility yellow over molded case.

The 740 series feature a simple front panel, with an easy-to-use menu system and dedicated keys. Operates in English, French, German, Italian and Spanish. Store 8,000 readings (743B and 744). Optional DPC/TRACK software for I/O of data and procedures (743B and 744).

Four built-in procedures, linear transmitters, square-root devices, one and two point limit switches, user entered values to capture readings measured and sourced by other devices, custom units, optional shunt to support mA/mA applications.

The 744 integrates HART instrument protocols. Allows you to monitor, control and program HART compliant instruments. It handles fast pulsed RTD transmitters and PLCs, with pulses as short as 1ms.

Each 740 series calibrator comes with TL24 industrial test leads, two sets of AC20 alligator clips, one set of TP20 test probes, a battery pack, battery charger, and instruction manual. The 743B includes a serial port cable and a DPC/TRACK sample, including complementary upload/export utility software. The 744 includes an HART cable. Spare battery packs can be purchased and the battery can be replaced via snap-shut door, no tools required. Three-year warranty. Calibration certificate included.

Function	741B	743B	744
Measure			
Vdc		300.00V ±0.025%	
Vac true-rms		300.00V ±0.5%	
Ohms		11.000 kΩ±0.05%	
A dc		110.00mA ±0.01	
Frequency		50.000 kHz ±0.05	
Pressure	x*	x*	x*
RTD Types/ TC types	8/11	8/11	8/11
Source/Simulate			
V dc		15V ±0.01%	
Ohms		11 k ±0.01%	
mA dc		22mA ±0.01%	
mA Auto Step/Ramp		x	
Frequency		50 kHz ±0.01%	
RTD Types/TC types		8/11	
Record			
Min/Max	x	x	x
Hold			
As found/As left	x	x	x
Log Data		x	x
Upload		x	x
Features			
24V Loop Supply	x	x	x
HART Comm.			x

*Call for optional pressure adapters

Cat. No.	Mfg. No./Description	Each
317-744	744 Documenting Calibrator w/HART	$4995.00
317-743	743B Documenting Calibrator	3995.00
317-741	741B Documenting Calibrator	2995.00
317-725	725 Multifunction calibrator	1795.00
317-308	787 ProcessMeter	495.00

OMNIScanner2

- **Certifies CAT5, CAT5E, CAT6 and CAT7 Measurements**
- **Backlit Keypad**
- **S Brand diagnostics to pinpoint cable problems**

OMNIScanner2 has an enhanced, easy-to-read LCD and industry first backlit keypad making it easy to read and use in all light conditions. A new long life NiMH battery charges faster and has increased battery life so you can run more tests on a single charge. Also featured is a USB port and removable MMC mass memory cards for lightning fast downloads, efficient storage of full sweep data, and higher productivity. The companion Scanlink software gives you the choice of full color graphical or tabular reports which can be edited or customized.

OMNIScanner2 has the capability to certify CAT5, CAT5E, CAT6 and test CAT7 up to 300 MHz. If you upgrade to GIGABIT 10/100BASET on Enhanced CAT5 or CAT6 cables, you will get the accurate return loss and ELFEXT measurements that are required, and you will have the functionality to test cables complying with current and upcoming standards with a wide dynamic range of 100dB. OMNIScanner2 design includes a Full Vector Engine Providing both Magnitude and Phase Measurements essential for advanced certification requirements, and similar to a Lab Network Analyzer it uses a Frequency Domain DSP design allowing for operation at higher speeds and greater dynamic range. It also provides the capability to create or modify an extensive cable library or custom Autotest on your PC and easily download the new setups into your OMNIScanner2. Includes Soft Carry Case, (2) AC Power Adapters, (2) Mod 8 Adapters, (2) CAT6 Test Cables, Serial Cable, ScanLink Software and user documentation. 18 x 10 x 8", 12 lbs. Two year warranty.

OmniScanner LT is designed with a cost-reduced user interface but includes the complete measurement capability for full support of Category 5/5E and 6. It has a dynamic range of 100dB and the ability to support to 300 MHz bandwidth, and certifies installed links against all common cabling and network standards including Gigabit Ethernet.

* Many test cables are available, call for availability.



Cat. No.	Description	Each
559-013	OMNIScanner2	$5995.00
559-040	OMNIScanner LT	4995.00
559-014	Additional Battery Pack	185.00

OMNIFiber Adapter Set

- **Single and MultiMode**

Simply snap one adapter onto the OMNIScanner test unit and one on to the remote. You can now test single and multimode fiber. Press the "Autotest" button and you can measure length, loss and propagation delay on both transmit and receive fibers at 850 and 130ωnm simultaneously. It then compares the results to the appropriate industry standard and provides a simple pass/fail indication of the tested link. With singlemode fiber, OMNIScanner measures loss on transmit and receive fibers at 1310nm. OMNIFiber set includes: (2) OMNIFiber adapters, OMNIScanner Companion CD, (2) 1 meter 62.5/125 dual multimode fiber cables, (2) ST-style coupling sleeves, optic cleaning pads, user documentation and carry case.



559-012

Cat. No.	Description	Each
559-012	OMNIFiber Adapter Set	$2995.00

OMNIFiber™ SM

- **Laser Based, Single-mode at both 1310 & 1550nm**

Snaps on to any OMNIScanner to give the user a combined copper and single-mode fiber optic certification tool. It provides a one-button Autotest function that measures length, optical loss and propagation delay at both 1310 and 1550nm wavelengths simultaneously. Autotest results are compared against selected network and fiber optic cabling industry standards and provide an instant pass/fail analysis. Test results can easily be uploaded to Scanlink Tools software for managing data and creating professional reports. Interchangeable connector adapters allow the OMNIFiber SM to support multiple network designs by offering ST, SC, LC, FC and MTRJ network connector adapters. Includes (2) OMNIFiber adapters-ST, Companion CD, (2) duplex single-mode fiber optic cables, (2) coupling sleeves, Optic pads and manual.



Cat. No.	Description	Each
559-022	OMNIFiber™ SM (ST-style connectors)	$5495.00
559-028	SC connector adapter	75.00

JENSEN TOOLS INC.
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Fax Lines: 800-366-9662 • 602-438-1690

MICROTEST®



MICROSCANNER™ Pro

➥ **All-in-one Cable & Network Tester**

A cable verification and troubleshooting tool designed specifically for home networking professionals and IT/network managers. It can test both coaxial and all twisted pair cable and even troubleshoot any other two-wire networks like speaker wires, security networks or telephone cabling. It measures length and distance to fault, using true TDR (time domain reflectometry) for the most accurate reading. The TDR can even be used to inventory cable or perform job costing on installed cable.

The MICROSCANNER™ Pro tests wiremap for crossed and split pairs on twisted pair cables and finds opens and shorts on all cabling. It has four unique toners for finding hidden cabling. With the room/office identifiers you can easily determine routing at the patch panel and document twisted pair and coax networks easily. A key feature is the detection of active 10/100 networks and identifies whether the network is running at 10 or 100Mbps and identifies if it is half or full duplex capable. It will even flash the hub port lights for easy identification.

MICROSCANNER™ Pro for IT/network managers also includes 6 dual UTP/Coax room identifiers and a carrying case.

Cat. No.	Description	Each
559-070	MICROSCANNER™ Pro	$399.00
559-071	MICROSCANNERTM Pro for IT/network managers	539.00
559-072	Bare Wire Adapter	19.00
559-073	Carry Case	29.00
559-075	Office/Room ID Kit	119.00



MICROTEST®

PentaScanner Cable Certification Tools

➥ **Smallest, lightest Category 5 tester**

➥ **TSB-67 level II compliant**

The **PentaScanner+** is an extremely accurate Category 5 cable certifier and tester. Its fast Auto Test (21 seconds), 500 test memory and quick change battery pack mean high productivity for high volume certification of an install. Its in-depth testing and reporting are excellent for troubleshooting subtle problems. Its easy-to-use menus and on-line help make for great productivity. The optional **Office Locator Kit** includes 12 Smart-T Plugs that allow you to find the end of cable drops.

The **PentaScanner 350** measures Quality Bands from 1 to 7, with 1 being a marginally passing Category 5 link and 7 being the highest link performance available today. This will indicate links that marginally pass and may require rewiring to links that are highly reliable and can meet future performance requirements. Includes the 2-Way Injector+, which provides full two-way testing which greatly speeds certification time. 4 x 8 x 2.15", 1.75 lbs. One year warranty. (USA)

Cat. No.	Description	Each
559-201	PentaScanner+ w/1-Way Super Injector+	$2995.00
559-350	PentaScanner 350 w/2-Way Injector+	3995.00
559-792	Spare Battery for PentaScanner or Remote	135.00
559-051	External Battery Charger for PentaScanner	165.00



JENSEN®

RJ Jack Identifier

➥ **Detects 10Base-T, Token Ring & 100MBIT**

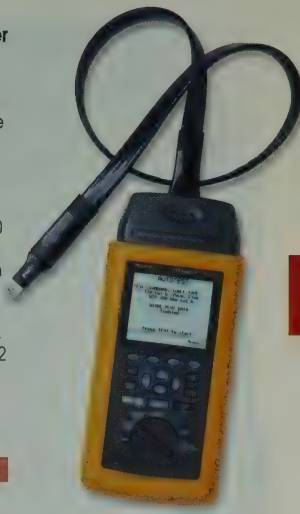
➥ **Detects AC & DC voltage on phone lines**

The RJ Jack Identifier is designed to aid network technicians and MIS personnel in the identification of the equipment connected to the modular jacks found throughout the work place. It will aid in determining what type of equipment is connected to the other end of the wall plate or cable by being able to detect cable terminators on all 4 pairs of a T568A/B wired jack or plug, and by being able to detect voltage on the center pair of phone lines.

Cat. No.	Description	Each
414-004	RJ Jack Identifier	$32.95

DSP-4300 Digital CableAnalyzer™

➥ **Exceeds spec requirements for CAT 5, 5E and CAT 6 with Level III accuracy**
➥ **Delivers more accurate PASS results** ➥ **Includes CAT 6 Channel Adapter & Channel/Traffic Adapter**



The DSP-4300 Digital CableAnalyzer™ offers the total CAT 6 solution for the cable installer. In addition to exceeding the specification requirements for CAT 5, Cat 5E and CAT 6 with Level III accuracy, it comes with a set of universal, compact modules that support many manufacturers cabling systems. Simply exchange the Personality Module at the end of the adapter for an easy, cost-effective solution with CAT 6 interoperability. By plugging in the Channel Adapter, the Remote Connector Compensation of the DSP-4300 gives you the most accurate measurement results, providing the true view of the cabling system's performance. Adding the Channel/Traffic Adapter extends your diagnostics and troubleshooting capabilities all in one tester. The included Permanent Link Adapter will deliver more passes by eliminating costly false fail results due to worn twisted pair test leads.

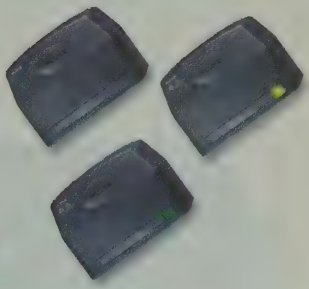
Included is 16 MB of built-in internal memory so you can test and save up to 300 full graphical test results to 350 MHz. Insert a 32 MB memory card and extend this to 600 results. Using the removable multimedia card allows you to keep the DSP on site. Cable ID download allows the user to download cable ID's from any application that can generate a text file. Doing this in advance saves valuable field time by eliminating the need for manual entry. Includes: Permanent Link Adapter, Channel Adapter, Channel/Traffic Adapter, expanded on-board memory, CableManager Software, 16 MB Multimedia Card, PC Card Reader, Soft Carrying Case, Users Information CD-ROM, Quick Reference Card, Talk Sets (2), AC Adapter/Chargers (2), Instrument Straps (2), DSP Calibration Module, RS-232 Serial Cable, & RJ-45 to BNC adapter Cable.

Optional **Fiber Test Adapter Set** allows bi-directional testing of multimode fiber links at 850nm and 1300nm, testing two fibers at a time. **DSP permanent link adapter** combines superior performance and repeatability while eliminating false failures and delivering more passes.

Cat. No.	Description	Each
418-849	DSP-4300 Digital CableAnalyzer™	**$6595.00**
317-038	DSP-4000 Digital CableAnalyzer™	**5495.00**
317-046	DSP-FTA410S Fiber Test Adapter Set	**3295.00**
317-106	DSP Permanent Link Adapter Set	**500.00**

DSP Fiber Test Adapters

➥ **Singlmode, Multimode and Gigabit testing**

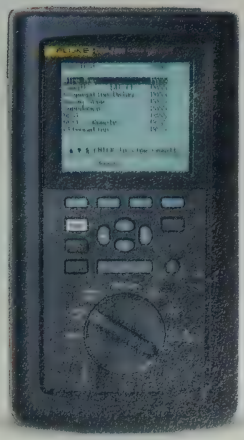


Three fiber attachments for the DSP 4000/4100 Cable Analyzers that can provide testing for Singlemode, Multimode and Gigabit testing. The **DSP-FTA420S** measures loss and length on multimode fiber using an LED light source. With enhanced dynamic range it will test both 850 and 1300nm wavelengths to 5 km. Testing can be done in both directions while automatically saving results in one record. **DSP-FTA430S** provides automatic, singlemode dual-fiber loss testing and certification using a Fabry-Perot (FP) laser at both 1310 and 1550nm wavelengths. Results are certified against the 1000Base LX and other standards. **DSP-FTA440S** provides fiber testing for networks running Gigabit Ethernet. Use of a Vertical Cavity Surface Emitting Laser (VCSEL) is more cost-effective than conventional lasers and provides greater bandwidth than LED light sources at 850nm. An FP laser is used for 1310nm wavelengths.

Cat. No.	Description	Each
317-102	DSP-FTA420S Multimode Adapter	**$3495.00**
317-103	DSP-FTA430S Singlemode Adapter	**4995.00**
317-104	DSP-FTA440S Gigabit Adapter	**3995.00**

DSP-2000 CableAnalyzer

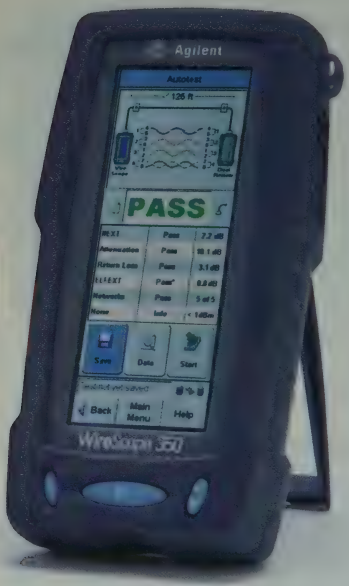
➥ **Digital technology provides maximum accuracy**



The **DSP-2000** includes Auto-diagnostics of cabling faults in graphical and text representations. Fault Info will graphically show where the link failed and offer suggestions on how to get it repaired. Traffic monitoring capabilities are possible on 100BaseT networks and hub port activation can identify whether the link is the source of the problem. Tests include two-way NEXT, impedance, resistance, return loss, ACR, wire map, length, propagation delay, delay skew, attenuation and power sum NEXT. Kit includes DSP-2000 and Smart Remote (both with installed NiCad battery pack), PC serial interface cable, AC adapter/charger, cable accessories and hard carrying case. 9 1/4 x 5 x 3", 3 1/4 lbs. (Smart Remote is 3 lbs.). One year warranty.

Optional Fiber Optic Test Kit includes an optical power meter, a combination 850/1300nm fiber optic source, patch cords and coupler.

Cat. No.	Mfr. No./Description	Each
317-235	DSP-2000 CableAnalyzer Kit	**$4595.00**
317-203	Spare Battery for DSP-2000 &100	**129.00**
317-204	Battery Charger for DSP-2000 &100	**119.00**
317-237	STP Cable Kit	**95.00**
317-236	UTP Cable Kit	**125.00**
317-238	Hard Carrying Case	**160.00**
317-206	Optional Fiber Optic Test Kit for DSP-2000 &100	**995.00**



Agilent Technologies

WireScope 350

- **Color touch screen interface**
- **Certifies compliance to proposed TIA CAT 6 & ISO Class E standards**

The HP WireScope 350 provides comprehensive support for all current and emerging LAN cable certification standards. A fully modular design allows for both software and hardware upgradeability to ensure support for future LAN and cabling standards beyond CAT 6/ Class E.

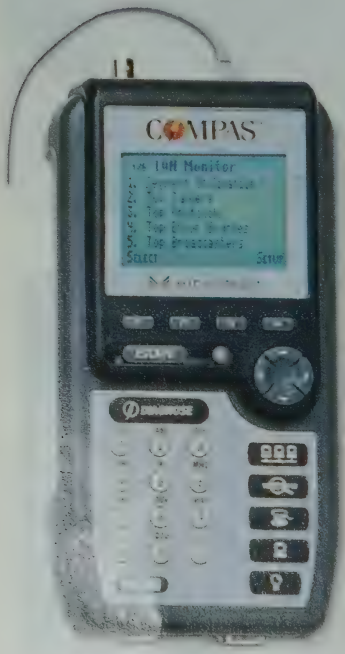
A full vector network analyzer (VNA) design supports advanced calibration and diagnostic analysis capabilities and uniquely, result accuracy is correlated and traceable to industry-standard HP laboratory analysis systems.

A bright color touch screen simplifies navigation through menus and improves comprehension of test result data. The WireScope 350 stores plot data on removable Compact Flash memory cards allowing for unlimited expansion of memory capacity and transferal of test data without taking the WireScope 350 out of service.

Unit includes WireScope 350, DualRemote 350, soft carry case, (2) hanging strap kits, (2) power supplies, ScopeData Pro software, (2) Cat 5E Basic Link Probes, (2) Cat 5E Channel Probes, manual, serial cable.

The 2 way Fiber SmartProbe+ Kits transform the WireScope 350 into a high performance optical fiber power meter and loss meter for singlemode and multimode fiber. They will measure fiber length, propagation delay and optical loss. The multimode measures at 850 and 1300nm up to 4 km, and singlemode measures at 1310 and 1550nm up to 50 km.

Cat. No.	Description	Each
993-350	WireScope 350	$5995.00
993-161	Singlemode Fiber SmartProbe+ Kit	3995.00
993-162	Multimode Fiber SmartProbe+ Kit	1945.00



MICROTEST®

COMPAS® LAN Troubleshooter

- **Diagnose network problems fast**
- **Combines protocol, server and cable testing in one**
- **Graphics and menus make it easy-to-use**
- **Supports Windows NT, Internet & TCP/IP and Netware**

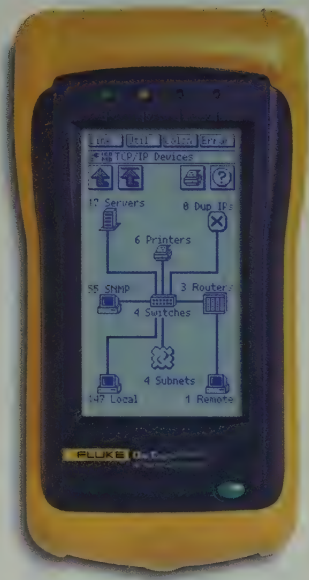
Designed for network administrators, technicians and service providers who need to solve everyday problems such as "Why is the network slow?", "Are my servers OK?", "Why can't I log in?". One simple test and the solutions are presented in clear language. COMPAS focuses on key problems eliminating the need to examine raw data. Its ASSIT key explains tests results and suggests how to fix the problem.

Attach the 10 Mbit COMPAS to a fileserver, workstation, hub or wallplate and it self-configures to the connection in just seconds. It looks at traffic and server statistics to determine solutions and will test network cables for problems like cross-talk and bad connections. With its built-in serial testing it can be used to diagnose remote connections.

COMPAS, is pre-loaded with NetWare, Internet and Windows NT software, and includes far end adapter, RJ-45 patch cord, AC adapter, rechargeable battery and carry case. NT allows you to see the domains and hosts on your NT network. It supports IP, NetBeui and IPX protocols and will configure itself from your DHCP server. Internet makes it easy to isolate incorrectly configured hosts and can determine if the problem is a faulty router on your company's intranet or on the Internet. Performs tests such as Duplicate IP address detection, IP ping, IP host summary list and detail, ICMP monitoring and trace route. Also included is Domain Name System support for simplified troubleshooting and DHCP support. 4 x 8 x 2.15", 1.75 lbs.

Cat. No.	Description	Each
559-050	COMPAS LAN Troubleshooter	$2495.00
559-051	External Battery Charger	165.00
559-052	Extra Battery Pack	135.00

OneTouch™ Series II Network Assistant



- **Increases frontline troubleshooting ability**
- **Complete moves, adds and changes quickly and correctly**
- **Simplifies menu choices with touch screen icons**

A powerful tool for troubleshooting network and cable problems. The **Series II** advantage is that it works in switched LANs and makes it easy to confirm connectivity to servers, switches or routers, to test NIC cards, or to measure 10/100 Mbps Ethernet utilization, collisions and errors. Troubleshooters can even deploy the unit at a remote location and resolve trouble tickets via their Web browsers. It comes with its own report software package for network documenting.

The OneTouch is a portable diagnostic tool for 10 and 100 Mbps Ethernet network connections. Just one touch of the Autotest icon displays the connectivity status of desktop stations, routers, and servers. It proves IP connectivity to a specific resource or station from a particular network connection. The OneTouch can isolate adapter card hardware and driver problems by proving that a card can successfully transmit and receive frames as well as identify network connections in the wiring closet that are not currently used by desktop connections. Automatically identifies them in an easy-to-understand graphical form on its large bright screen. Interprets critical Ethernet parameters such as collisions, errors, and broadcasts in the context of traffic levels. **OneTouch series II with Internetwork Throughput Option (ITO)** adds a test suite that characterizes the capacity of network links. Simulate additional users or generate a specific amount of traffic to stress test the network. Provides the ability to identify bottlenecks and simple one-way and end-to-end Internetwork Throughput tests for WAN/LAN testing (requires 2 units). The **OneTouch Series II Pro** models have a ConfigMaster icon that gets the key information necessary to properly configure a device or workstation. It also includes Remote Web Control, Device to Switch Port Mapping, and Key Device Ping. 8 x 4.2 x 2.1", 1.7 lbs. One year warranty.

Cat. No	Description	Each
317-283	OneTouch SeriesII 10/100	$4125.00
317-282	OneTouch SeriesII 10/100 w/ITO	4625.00
317-281	OneTouch SeriesII 10/100 Pro	5150.00
317-280	OneTouch SeriesII 10/100 Pro w/ITO	5650.00
317-284	OneTouch SeriesII Hard Case	125.00
317-286	OneTouch Reporter Software	1025.00
317-247	Spare Battery	195.00
317-248	Remote Adapters (#2-6)	295.00
317-249	Computer-Based Training on CD-ROM	89.95
317-206	DSP-FTK Fiber Test Kit	995.00

NetTool™ Connectivity Tester



- **In-line functionality reduces testing time**
- **Monitors network health**
- **Discovers PC's network configuration and resolves conflicts**

NetTool combines cable, network, and PC configuration testing in a palm-sized tool. It identifies a jack as Ethernet, Phone, Token Ring or inactive, and checks link pulse for speed, polarity, duplex, level information and receive pair. It resolves complex PC network configuration issues such as IP address, default gateway, and email and web servers, while showing key network resources used by that PC such as servers, routers and printers. Simultaneously monitors network health (frames sent, utilization, broadcasts, errors, collisions) for full-duplex connections, with individual counts for both the desktop and the network conversations. Shows protocol mismatches between the PC and the network, and identifies unwanted protocols that waste valuable bandwidth. Included is a Problem Log that concisely lists problems detected on the PC and network such as addressing issues, email and web problems.

The **NetTool Standard** tester provides single-ended testing of cable and desktop-to-network connectivity. Shows when a network drop is hot and identifies the service and the device on the other end. Shows speed and duplex settings and checks the health of frames being sent. **The NetTool Inline** tester is a must for network and PC technicians who install or troubleshoot networked PCs.



Includes all the standard features and comes with the inline function that allows users to eavesdrop on the complex PC-to-hub link pulse negotiation process to help resolve link connectivity issues.

Cat. No.	Description	Each
317-115	NetTool Standard	$895.00
317-116	NetTool Inline	1495.00
317-117	NetTool AC Power Adapter	25.00
317-118	NetTool 1.25 amp Battery Charger	60.00
317-119	AA Rechargeable Battery Pack	15.00

JENSEN TOOLS INC.
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The Pinger™ Network IP Tester

- **DHCP Client Capability**
- **Verifies Connectivity across a LAN by transmitting/receiving Pings**
- **Verifies LAN operation at a remote location over the Internet**
- **Warns when duplicate IP addresses are found**

The Pinger Model 60 is a new handheld tester used for installing and maintaining computer Local Area Networks running the TCP/IP protocol. It's an ideal tool for quickly testing proper LAN operation, after completing a Move, Add or Change (MAC). The Pinger uses the powerful Ping function to verify connectivity, check transmitted and received data integrity, indicate network traffic loading by measuring Round Trip Time, notify of duplicate IP Address responses, provide the MAC address of an IP Address and warn user when the default gateway can not be located.

The Model 60 also identifies reversed polarity for improperly connected wire pairs and provides a Port Identification feature with selectable blink rates to identify which port on a hub or switch that a wall outlet is connected. Pre-programming IP addresses from different VLANs and then running the IP List function can quickly identify VLAN assignment of a hub/switch port or a wall outlet. Remote office support can also be provided by connecting the Pinger to the LAN at the remote office trouble point and Pinging the unit over the Internet.

Cat. No.	Description	Each
226-015	The Pinger Network IP Tester	$349.00



LanMaster® 30 Outlet Identifier

- **Identify network or telephone connections**
- **Verify that no damaging voltages are present**

Connecting equipment to an untested wall outlet can damage the installed device if the outlet does not have a compatible electrical interface. Many PBX systems can supply voltage and current levels that far exceed the limits of modems or network devices resulting in equipment failure when connected. The Lanmaster 30 will identify a 10baseT Link, 100BaseTX Link, Token Ring Link, Analog Telephone Line, PBX Line or an ISDN Line. The unit will also warn the user if unidentified signals are present at the jack or if the jack is not connected. Knowing the type of connection available at an outlet not only protects against equipment damage, but also reduces time wasted troubleshooting physical layer problems. **Accessory Kit** includes case, in-line coupler to test NIC, and RJ11 patch cord.

Cat. No.	Mfr. No./Description	Each
226-013	LanMaster 30 Outlet Identifier	$219.00
226-014	Accessory Kit	19.00

For replacement batteries, see page 311



LanMaster® 20 & 25 Link Tester

- **Fast ethernet test tools**

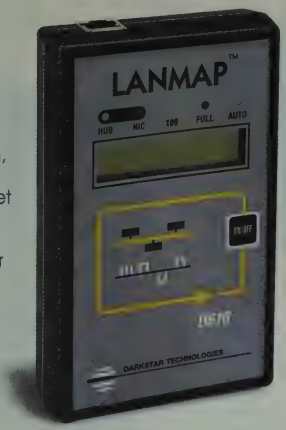
A must for every technician, service provider and installer. Quickly test for Fast Ethernet (100baseTX) and Standard Ethernet (10baseT) links. Insert into a hub, switch, NIC, wall outlet, or attach to cable with RJ-45 coupler. In just seconds, the LanMaster decodes the link signals and displays the exact configuration of the equipment connected to the link, as well as verifying link connectivity to the far end. It tests for reported faults and determines polarity of the outlet or cable. **226-012** also includes a transmit mode that generates a Link Activation signal to identify hub/switch port connections to a wall outlet, a tone signal generator for tracing cables, and it identifies type of Link signal for proper equipment configuration and improved network performance. Includes RJ-45 coupler and 9V battery. **Optional Case** includes RJ-45 coupler and extension cable.

Cat. No.	Description	Each
226-010	LanMaster 20 Link Tester	$149.00
226-012	LanMaster 25 Link Tester	189.00
226-011	LanMaster Case & Accessories	19.00

For replacement batteries, see page 311

DARKSTAR TECHNOLOGIES

LanMap™ 610 Port Verifier



- **Automated testing**

With the touch of a single button, the LanMap 610 Port Verifier scans your UTP or STP cables for an Ethernet link partner at the far end of the cable. When connected to any 10/100 hub, switch, or NIC, the tester will auto-negotiate and get link at the highest common capability.

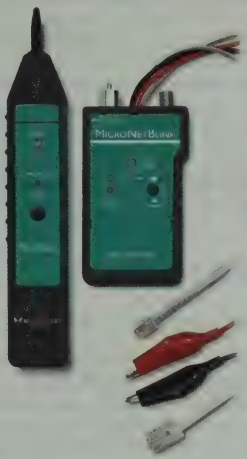
The 610 fully supports IEEE 802.3u standards and resolves network compatibility problems by clearly telling the user what speed and duplex settings a device is capable of. Five LED's indicate Hub or NIC, speed, duplex and whether an auto-negotiation actually took place. All advertised capabilities in the FLP burst are displayed to the user as well as frame and link errors. Traffic is displayed as a bar graph and permits you to monitor the percent utilization and peak load for the LAN segment.

The LanMap will also identify the service that is present on active RJ45 jacks. In addition to 10/100 Ethernet, it will identify 100BASE-T4, Token Ring and telephone service. When plugged into an open cable, the tester defaults to its toner mode and can be used with any standard probe/amplifier to trace the cable.

Cat. No.	Description	Each
567-610	LanMap™ 610 Port Verifier	$399.00

MICROTEST®

MicroNetBlink Kit



- **Flashes hub and switch port lights**
- **Generates tracing tones on twisted pair, coax, and bare wires**
- **Ring/Tip polarity test indicator**

The MicroNetBlink is a unique tool to quickly identify network ports and cables through both analog toning and digital signaling methods. It will flash the hub and switch port lights for immediate port location in a busy wiring closet and can emit a tone identifiable with an inductive probe. It allows you to trace cables hidden in floors, ceilings, walls, and in bundles.

The MicroNetBlink can also verify cable continuity, pair condition, line polarity, and voltage in network cabling systems, modular telephone lines, and coaxial systems. Included in the kit is the MicroProbe which is an inductive probe with a non-conductive tip used for locating cables and network jacks. It includes an LED and adjustable volume control for noisy work environments. Includes carrying case. Requires 9V battery (not included).

Cat. No.	Description	Each
559-023	MicroNetBlink Kit	$109.00
559-024	MicroNetBlink	59.00
559-025	MicroProbe	59.00

DATACOM TEXTRON

NETcat Plus LAN Trouble Shooter



- **Diagnoses network problems for Ethernet and Token Ring**

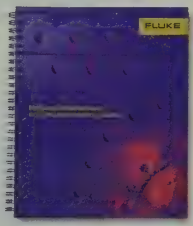
When testing twisted pair, a wire map is performed along with tests for NEXT, Attenuation, Length, Background Noise and Impedance. The TDR will provide cable length measurements as well as give you distance to a fault. For thick and thin Ethernet coax cabling, it will check for length and impedance. NETcat Plus can also monitor live Ethernet traffic on 10BaseT or coax networks. Network utilization, peak traffic, and collisions are continuously monitored up to 24 hours. Stored traffic test results can then be output to a printer in graphical form. Includes three 9V batteries, patch cord, carrying case, AC adapter and user manual.

Cat. No.	Description	Each
599-003	NETcat Plus LAN Trouble Shooter	$1500.00

For replacement batteries see, page 311

FLUKE networks

Network Maintenance and Troubleshooting Guide



Picks up where other network manuals and texts end. Learn to anticipate, prevent and solve problems, troubleshoot and operate a healthy network. The guide is written as a reference for use by professionals and includes an introduction for those who are learning about network operation. For additional reference material, see page 105.

Cat. No.	Description	Each
317-039	Network Maintenance and Troubleshooting Guide	$34.95

FLUKE networks

Fiber Optic Reference Guide



A comprehensive, practical guide to develop a solid understanding of the underlying principles of fiber technology and practical applications. It is presented clearly, with a minimum of jargon. The text is thoroughly illustrated and indexed. Covers such topics as fundamentals of optical fiber, connectors, splicers, and other components. Includes characteristics and principles of operation for critical electro-optic components, and operations of transmitters, receivers, and fiber optic communications systems.

Cat. No.	Description	Each
317-095	Fiber Optic Reference Guide	$39.95

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MICROTEST®

SimpliFiber Power Meter and Optical Sources

➥ **Single and Multimode available**

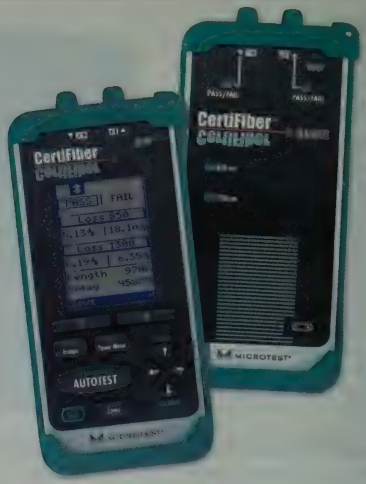
SimpliFiber is a power meter and optical source for measuring the loss of multimode fiber optic cables and components. The kit includes a dual wavelength 850/1300nm source and an 850/1300/1310/1550nm meter. It incorporates the latest fiber technology with data storage and a PC-ready interface to boost user productivity.

SimpliFiber is a rugged, field-deployable, hand-held tool with an optical source that is stable and repeatable for consistently accurate results. Auto-wavelength detection and data recording minimize testing errors. In addition to the intuitive four-button keypad and large LCD display, measurement results can be easily uploaded from memory to the PC using ScanLink software. Results can be reviewed, reports created, and data files saved or exported.

Kit includes: SimpliFiber meter, SimpliFiber light source, ScanLink software and serial cable, 4 AA batteries, optic cleaning pads, carry case and user guide. 6.25 x 3.5 x 1.25". One year warranty.

Cat. No.	Description	Each
559-015	SimpliFiber Meter & 850/1300 Source (ST)	$1295.00
559-016	SimpliFiber 1310 Laser Source (ST)	995.00
559-019	SimpliFiber 1550 Laser Source (ST)	1495.00
559-017	SimpliFiber Meter & 850/1300 Source (SC)	1395.00
559-018	SimpliFiber 1310 Laser Source (SC)	995.00
559-020	SimpliFiber 1550 Laser Source (SC)	1495.00

For replacement batteries, see page 311



MICROTEST®

CertiFiber Fiber Certification Tool

➥ **Multi-mode fiber certification in seconds**

➥ **Cuts test time by 75% over manual power meters**

Testing your multi-mode fiber cable has never been faster or easier. Select a standard such as TIA 568A or IS 11801, input the number of splices and connectors, and press the Autotest. Automatically runs the length, propagation delay, and dual fiber loss measurements for both 850nm and 1300nm, and provides a Pass/Fail analysis based on the fiber standards along with the amount of headroom available over and above the Pass/Fail margin. Up to 1,000 time and date stamped autotests can be stored and then downloaded to a PC with the included ScanLink software.

Kit includes CertiFiber Tester and CertiFiber Remote (both with three AA alkaline batteries), ScanLink Diskette to download stored Autotests, PC serial interface cable and a soft carrying case. 3.2 x 7.2 x 1.6", 14.9 oz. (Remote is same size, 13.4 oz.) One year warranty.

Cat. No.	Description	Each
559-060	CertiFiber Fiber Certification Tool	$3295.00

For replacement batteries, see page 311



Tektronix

TekRanger 2 Mini OTDR

➥ **Battery powered portability** ➥ **One button fiber analysis**

➥ **Shock, water, dust resistant**

Perfect for field testing and certification of multi-mode and single-mode fiber optic plants. Its small size and portability pack all the features you need. IntelliTrace Automated Fiber Analysis System adjusts and optimizes acquisition parameters so you don't have to.

Includes: disk drive, RS232 port, FTMAP software, hard transit case, power/charger adapter, quick reference and manual. **TFS3031 AN** is a multi-mode dual wavelength unit perfect for LANs, with ST connectors and outputs at 850 or 1300nM. **TFS3031 AX** is multi-mode and single-mode equipped, has ST and FC connectors, outputs at 850/1300 or 1310/1550nM. Five hour NiCad battery pack. One year warranty.

Cat. No.	Mfr. No./Description	Each
310-310	TFS3031 AN Multi-Mode Mini OTDR	$15,670.00
310-311	TFS3031 AX Multi- and Single-Mode Mini OTDR	21,915.00

FLUKE networks

FT300 FiberInspector™

- **Inspects all types of installed fiber terminations**
- **Provides crisp, clear images of microscopic debris and end-face damage**

The FT300 FiberInspector™ is a portable video microscope that provides superior vision by enabling you to inspect all types of installed terminations in hardware devices and patch panels. Instead of removing each individual fiber, you need only insert the video probe to inspect the fiber while still in place.

It's comprised of a handheld 2.5" LCD display unit and a small, lightweight probe, which holds itself in place for hands-free operation. The probe contains a long-life LED light source and CCD video camera. When the probe tip mates with a bulkhead adapter, it projects a crisp, clear image of microscopic debris and end-face damage. The video display allows users to view a fiber end-face without looking directly into the fiber, eliminating any harmful infrared light from reaching the eye.

FT300 FiberInspector™ kit includes Fiber Probe, Fiber Display, AC adapter/battery charger, probe adapter tips (ST,SC,FC, and universal 2.5 mm patch cord tip) and hard carrying case.

Cat. No.	Description	Each
317-333	FT300 FiberInspector™	$3,495.00



Tektronix

NetTek™ OTDR

- **IntelliTrace Plus™, expert results with the push of one button**
- **Advanced wave shape analysis software finds more events**
- **Modular platform lets you configure and update functions**

The NetTek OTDR simplifies installation and maintenance testing of fiber optic cabling, combining the NetTek platform with OTDR and power meter modules provides outstanding performance and ease of use all in a rugged package. Choose from a variety of modules ranging from low cost/full performance all the way up to ultra-long range with truly world-class performance. IntelliTrace Plus technology automatically optimizes test parameters so you don't have to. It gives the best resolution on every section of the fiber while maximizing dynamic range. It provides multi-pulsewidth, single-result auto test function to significantly reduce dead zone effects on your tests. See close events, including the first connector, at the same time you see events 200 km away.

The NetTek platform is a full capability hand-held PC running Windows CE™. It will accept up to four modules at once that you can mix and match to suit your needs. The platform comes configured with multiple interfaces for your operation and documentation needs, like printer, serial and keyboard ports. In addition, it supports other interfaces using the 2 PCMCIA ports. The YOPM, a PCMCIA-based Optical Power Meter, supports all optical power measurement needs for all common telecommunication wavelengths from 850 nm to 1625 nm. It also allows you to store and view tests in a configurable table. The TARGET1 (Trace Analysis Report Generation and Emulation Tool) meets your optical test evaluation and report needs in one easy to use software tool. It handles all stages of test evaluation from acquiring tests remotely to outputting summary reports to a web page.

NetTek Platform includes shoulder strap, tilt stand, stylus, AC power supply, (1) Li-Ion battery, user manual, 5 display protector sheets, RS-232 cable and soft carry case.



Cat. No.	Description	Each
310-042	NetTekPlatform w/color display	$5,250.00
310-044	1310/1550nm Std Range Singlemode module	6,250.00
310-062	1310/1550nm Long Range Singlemode module	12,000.00
310-053	1625nm Long Range Singlemode module	16,000.00
310-054	1550/1625nm Long range Singlemode module	17,000.00
310-055	1310/1550nm Ultra-Long Range Singlemode module	17,500.00
310-056	1625nm Ultra-long Range Singlemode module	23,500.00
310-057	Optical Power Meter - Standard Range	1,250.00
310-058	Optical Power Meter - High Power Range	1,600.00
310-059	TARGET1 CD & User Manual	650.00

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NOYES FIBER SYSTEMS

Singlemode Optical Loss Test Kit

➥ **NIST traceable**

The SLP4-6D kit comes complete with the OLS2-Dual laser source which provides an output of 1310 and 1550nm wavelengths in either continuous wave mode or 2 kHz modulated mode. It offers excellent stability and portability for accurate fiber optic testing. Also included is the OPM4-4C Power Meter which is fully NIST traceable and provides years of accurate measurements. Kit comes complete with carry case.

Cat. No.	Description	Each
76-021	SLP4-6D Singlemode SC Optical Loss Test Kit	$3175.00



NOYES FIBER SYSTEMS

Fiber Optic Talk Set

➥ **Works on Single and Multimode**

➥ **Full duplex, hands free operation**

An inexpensive solution to meet your multimode or singlemode fiber optic communication needs. Designed for voice communication over spare fibers, they provide full duplex, hands free operation. The FTS1-2 operates at 1300nm with a dynamic range up to 20 dB. Fiber talk sets come in pairs and include headsets, protective rubber boots, manual, and 9V batteries. Set up with SC connector.

Cat. No.	Description	Each
76-022	Fiber Optic Talk Set	$2295.00

DARKSTAR TECHNOLOGIES

Fiber Cable Checkers

Quickly checks integrity of fiber optic cables. Source output is 800nM light at -20dBm and the receiver displays received power on LED bar graph, showing relative power. Available in All-In-One unit with the source and receiver built into one box, or individual testing end-to-end. 9V battery included.



GSA Contract No.: GS-24F-9019H

Cat. No.	Description	Each
567-410	All-In-One ST Fiber Cable Checker	$295.00
567-420	ST Source only	195.00
567-430	ST Receiver only	195.00
567-440	All-In-One SC Fiber Cable Checker	295.00

For replacement batteries, see page 311



NOYES FIBER SYSTEMS

High-Performance Optical Test Kit

➥ **Stores 500 readings** ➥ **Connects to PC** ➥ **NIST traceable**

OPM-5 Power Meter offers 850, 1310, 1550nm detection in single-mode and multi-mode. Measures power levels from +6 to -60 dBm with an accuracy of ±0.25dB and a resolution of 0.01dB. 250 measurements can be stored in the non-volatile memory, downloaded to a PC, or linked to a PC for realtime measurements. **Kit** includes carrying case, OPM-5 Power Meter, DOS software and cable, OLS 1-2 ST light source with 850 and 1300nm outputs, an ST adapter, and a 9V battery. One year warranty.

Cat. No.	Mfr. No./Description	Each
76-161	MLP5-2B High-Performance Optical Test Kit	$1695.00

For replacement batteries, see page 311



76-012

NOYES FIBER SYSTEMS

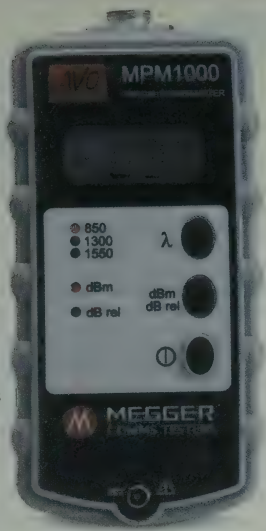
Fiber Loss Test Kits

Each kit consists of a power meter with ±0.25dB accuracy, light source with -20dBm output, and case. **Power Meters** can accommodate various connector adapters. The **Light Source** must use fixed connectors. Powered by long-life 9V alkaline batteries included. One year warranty.

Cat. No.	Description	Each
76-012	Fiber Loss Test Kit, 850 & 1300nm LED, ST	$995.00
76-001	Power Meter, 850, 1300, 1550nm (requires Adapter below)	449.00
76-002	Light Source, 850, 1300nm, Multimode, ST	695.00
76-111	Light Source, 850nm, Multimode, ST	349.00
76-101	SC Adapter for Power Meters	95.00
76-104	Bare Fiber Adapter for Power Meters	95.00
76-100	FC Adapter for Power Meters	50.00
76-105	ST Adapter for Power Meters	50.00

ST versions are in stock, others are available special order.

Megger® MPM1000 Multi-Mode Power Meter



- 850, 1300 & 1550nm germanium detector
- Wide dynamic range
- dBm & dBrel measurement modes

The MPM1000 is an accurate optical power meter that can be used for optical loss testing of fiber optic cables. It has been calibrated for absolute power levels with reference to 1 mW (dBm) for 850nm, 1300nm and 1550nm laser frequencies using multimode cables. However, it can also be used in relative power mode allowing it to be used on single-mode cables. Accuracy is +/- 5% at -23 dBm (+/- 0.22 dBs) and has a wide dynamic range of +5 dBm to -60 dBm with a resolution of 0.1 dBm. Suitable for testing LAN's, FDDI, and other multi-mode links, as well as fiber continuity, connector, and patch lead testing. Includes case, user guide and 3 year warranty. ST connector.

Cat. No.	Description	Each
293-031	Megger® MPM1000 Multi-Mode Power Meter	$450.00

Megger® MLS1000 Multi-Mode Light Source

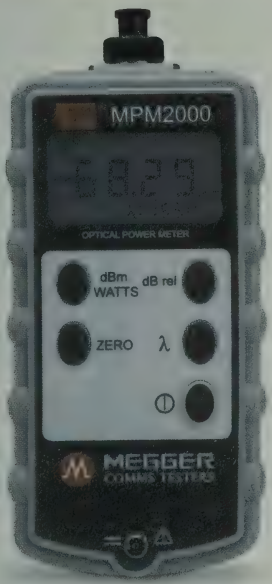


- 850 & 1300 nm LED source
- High stability output
- Temperature compensated

The MLS1000 is a stable optical dual LED source that can be used in conjunction with an optical power meter for optical loss testing of fiber optic cables. It has been pre-calibrated to output 850nm or 1300nm wavelengths for an output level of -20dBm into a 62.5/125 multi-mode fiber at continuous or modulated outputs. Suitable for the testing of LAN's, FDDI, and other multi-mode links whether inside or outside a building. Other applications include fiber continuity testing, connector testing, and patch lead testing. Includes case, user guide and 3 year warranty. ST connector.

Cat. No.	Description	Each
293-030	Megger® MLS1000 Multi-Mode Light Source	$690.00

Megger® MPM2000H Single Mode Power Meter

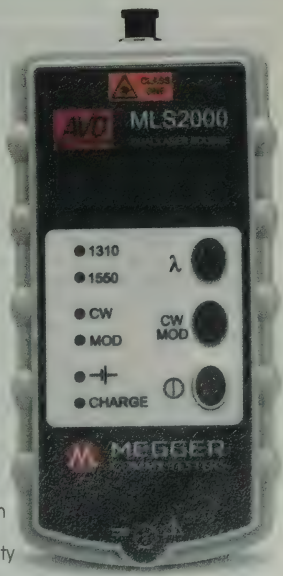


- 850, 1300, 1310 & 1550nm germanium detector
- High-power CATV version
- Wide dynamic range
- dBm & dBrel measurement modes

The MPM2000H is an advanced optical power meter that can be used for optical loss testing of fiber optic cables. It has been precalibrated for absolute power levels with reference to 1mW (dBm) for 1310nm and 1550nm laser frequencies using single mode cables. In relative power mode it can be used on multi-mode cables. Accuracy is +/- 5% (0.22 dBs) and has a dynamic range of +20 dBs to -60 dBs making it ideal for CATV and other long distance transmission applications. However, it is also suited for the testing of SDH, Telecom and other Single Mode links. Other features include automatic power down, and dBrel setting retained during power down. Includes case, user guide and 3 year warranty. SC connector.

Cat. No.	Description	Each
293-033	Megger® MPM2000H Single Mode Power Meter	$1000.00

Megger® MLS2000 Single Mode Stabilized Laser Source



- 1310 & 1550nm Dual Laser Source
- Ultra fast laser stabilization
- High stability output
- High output power

The MLS2000 is a stable optical dual laser source that can be used in conjunction with an optical power meter for optical loss testing of fiber optic cables. It is temperature compensated and has been precalibrated to output 1310nm or 1550nm wavelengths for an output level of -6 dBm into a 9/125 single-mode fiber. The output can be continuous or modulated. It is suited for the testing of SDH, CATV, telecom and other single mode links. Other applications include optical continuity testing, acceptance testing of fiber transmitters and received power testing of optical receivers. Includes case, user guide and 3 year warranty. SC connector.

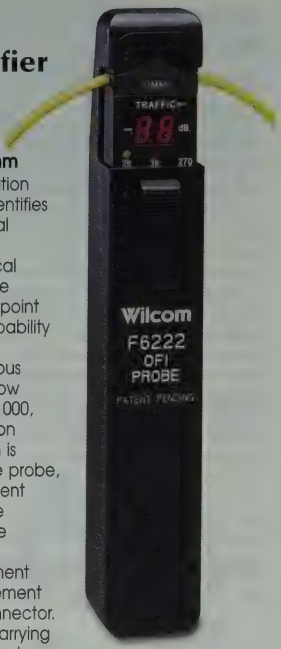
Cat. No.	Description	Each
293-032	Megger® MLS2000 Single Mode Stabilized Laser Source	$1600.00

JENSEN TOOLS INC.
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Fax Lines: 800-366-9662 • 602-438-1690

Wilcom

Optical Fiber Identifier

- Handheld & lightweight
- Non-destructive macro-bending technology
- Operates from 800nm to 1700nm



A rugged and easy-to-use installation and maintenance instrument that identifies optical fibers by detecting the optical signals being transmitted through a singlemode fiber. By using utilizing local detection technology it eliminates the need to open the fiber at the splice point for identification, eliminating the probability of interrupting service.

Signals detected include continuous wave, live optical transmission, and low frequency modulated tones at 270, 1000, and 2000 Hz. When traffic is present on the fiber, the direction of transmission is indicated by LED's illuminating on the probe, and when modulated tones are present the unit will detect and illuminate the corresponding LED's. The relative core power in the fiber is measured and displayed on a two-digit, seven segment LED display, allowing for the measurement of power loss through a splice or connector. Includes Fiber Optic Probe, leather carrying case and three interchangeable adapter heads for jacketed, coated or ribbon fiber.

Cat. No.	Description	Each
265-002	Optical Fiber Identifier	$1795.00

Wilcom

Optical Fault Locator

- Measure up to seven events
- Singlemode & Multimode
- Single key operation



The FR2 Fiber Ranger Optical Fault Locator is a rugged, lightweight, hand-held optical fault locator for multimode and single mode applications. It uses OTDR (Optical Time Domain Reflectometer) technology to pinpoint faults in optical cable that can be over 20 kilometers away. It operates at the industry standard wavelength of 1310nm and can display the distance to the fault in meters or feet.

Useful applications for the FR2 include testing WAN's, telecommunication spans, Fiber-to-the-Curb, installation and maintenance of multimode and singlemode fiber cabling, and Military systems. It's also ideal for locating tight bends, crimps, faulty connectors, bad splices or breaks in fiber cables.

Includes an easy to read LCD display and a single measure push-button for activating the unit's measure operation. The Index of Refraction (IOR) is user selectable and the FR2 has the ability to detect up to seven multiple events.

Cat. No.	Description	Each
265-001	Optical Fault Locator	$2495.00

FLUKE networks

Optical Fiber Test Installer Packages

- Tests multimode fiber at 850 & 1300nm wavelengths

Fiber Test Installer packages from Fluke allow you to test and inspect multimode fiber optic links quickly and efficiently. The FTI Basic Package includes the FM130 Fiber Meter, FOS-850/1300 LED source, Fiber Optic Reference Guide and Hard Carrying Case. This kit is best suited for contractors who only have a few fiber links and don't need automated recording of test results. The FTI Pro Package includes the FM150 Fiber Source, Data-LINK™ Software, Fiber Optic Reference Guide and Hard Carrying Case. This kit is ideal if you require documentation and report generation needs. It will automatically store up to 500 records of test data that can be uploaded to your PC via the Data-LINK™ Software. The FT120 Fiber Viewer is included with both packages and is for inspections of multimode fiber end-faces to ensure that your termination is smooth and clean and ready for optical transmission. The optional FT140 is for singlemode installations. Both scopes contain a special safety filter that protects your eyes by screening harmful infrared light. The optional LS-1310/1550 Laser Source is used for singlemode applications.

Cat. No.	Description	Each
[illegible]	FTI Basic Package	$1490.00
[illegible]	FTI Pro Package	1990.00
[illegible]	FT140 400X Fiber Viewer	395.00
[illegible]	LS-1310/1550 SingleMode Laser Source	2995.00





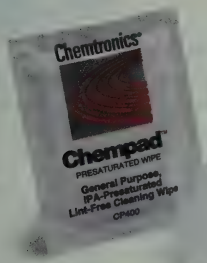
Wilcom

Visual Fault Locator

➥ **Universal connector accepts any 2.5mm ferrule**
➥ **Verifies continuity of fiber before and after installation**

A streamline universal Visual Fault Locator. The new Model F6230A is a pencil style VFL that features a universal connector accepting any optical connector style with a 2.5mm ferrule. It operates on a single 1.5V AA alkaline battery keeping the overall size to a minimum while providing long battery life. VFL output is from a powerful 1mW laser at 650nm providing visibility beyond 5km. Includes a choice of continuous or modulated output and a "low battery" indicator. The universal connector eliminates the inconvenience of having to use a patch cable for direct connection to fiber under test if connector styles are dissimilar.

Cat. No.	Description	Each
265-003	Visual Fault Locator	$390.00



FLUKE networks™

Fiber Optic Cleaning Kit

➥ **Clean fiber connectors before or after installation**

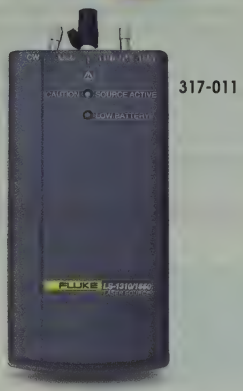
Dirt, dust and other contaminants are the enemy of high-speed data transmission over optical fiber. With today's network applications requiring more bandwidth and loss budgets being tighter than ever before, it is imperative that all optical connections are clean and free of contaminants to ensure proper network operation. The Fluke Networks NF430 Optical Cleaning Kit includes:

50 - Alcohol-soaked cleaning pads
50 - 2.5 mm foam-tipped cleaning sticks
20 - Large foam-tipped cleaning swabs
50 - Lint-free cotton wipes
1 - Small bottle for isopropyl alcohol (shipped empty, reagent-grade isopropyl alcohol should be used)

Cat. No.	Description	Each
317-059	NF430 Fiber Optic Cleaning Kit	$95.00



317-052



317-011



317-055

FLUKE networks™

Fiber Optic Power Meter & Optical Sources

➥ **An inexpensive alternative** ➥ **Small and lightweight**

Turns your DMM into an optical loss tester at a fraction of the cost. No need to buy a whole new set of expensive fiber test meters. Helps to detect bad connections, bad splices, and mismatched fiber types. Easy-to-use; simply plug the **Fiber Optic Power Meter** into your DMM, set the range to millivolts, connect an **Optic Source** for multi-mode or **Laser Source** for single-mode to the other end of the fiber, and read the results to verify the performance. FOM & FOS; 9V battery included. 4.5 x 2.5 x 1.5", 5 oz.

Single Mode Laser Source

The **LS-1310/1550** dual laser source provides an accurate measurement of single-mode fiber link loss at both wavelengths and extends the capability of the Fluke DSP Series Cable Testers, OneTouch and DMMs. Its lightweight and heavy-duty design make it very rugged for field use. **Kit** includes Laser Source, two ST-ST single-mode patch cords, ST-ST single-mode fiber optic adapter and hard carrying case. 9V battery included. 6.8 x 3 x 1.5", 9.4 oz.

Cat. No.	Mfr. No./Description	Each
317-052	Fiber Optic Meter, ST Connector	$299.00
317-055	Fiber Optic Source, 850/1300nm, ST	495.00
317-053	Fiber Optic Source, 850nm, ST	195.00
317-011	LS-1310/1550 Single-Mode Laser Source Kit	2995.00
317-013	ST/ST Single-Mode Patch Cable	65.00
317-014	ST/SC Single-Mode Patch Cable	65.00
317-015	ST/FC Single-Mode Patch Cable	65.00
317-016	ST/ST Fiber Optic Adapter	25.00

For replacement batteries, see page 311

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NOYES FIBER SYSTEMS

HiLite Visible Fault Finder



- 650nm Laser Source
- Universal Connector Interface
- High Power (1 mW)

A compact and powerful visible red laser source designed to troubleshoot faults on fiber optic cables. Light generated by the HiLite will escape from sharp bends and breaks in jacketed or bare fibers, as well as poorly mated connectors which allows identification of faults in fiber optic jumper cables, distribution frames, patch panels, and splice trays. Other applications include locating faults in OTDR dead zones, end-to-end continuity checks, identifying connectors in patch panels, and identifying fibers during splicing operations. The universal connector interface provides fast operation with many connector styles without changing an adapter.

Cat. No.	Description	Each
76-020	HiLite Visible Fault Finder	$279.00



850nM Optical Power Test Kit

- Low cost LANLITE fiber testers
- Rugged aluminum construction
- 0.1dB resolution
- Small size

Perform power loss tests at a fraction of the cost of other meters. The LANLITE series offers full optical power testing in single and dual wavelengths. The sources output stabilized light at -20dBm and the meters measure received power from 0.0 to -55dBm (-50dBm on dual wavelength). These extremely rugged products are constructed from aluminum. Includes 9V batteries and waterproof Pelican case. One year warranty. (USA)

Cat. No.	Description	Each
49-001	850nM Optical Power Test Kit	$475.00
49-002	850/1300 Optical Power Test Kit	875.00

For replacement batteries, see page 311

IDEAL

MiniLite-Strip™ Optical Fiber Stripper



- Lightweight, compact design for easy handling
- No field adjustment necessary

An precision optical fiber stripper that includes two V-notch blades. The larger notch blade removes the outer jacket insulation while the small V-notch blade removes the buffer and coating from 125 fiber. Made with durable steel construction and a cushion-grip handle for operator comfort. The fluorescent orange color allows for easy identification on the job site and in a tool pouch.

Cat. No.	Description	Each
[illegible]	MiniLite-Strip Optical Fiber Stripper	$36.00

WAVETEK

Fiber Optic Visual Fault Locator



- Finds breaks fast
- Checks continuity

Uses a high power laser to inject visible light into any ST terminated fiber cable. If there is a break in the fiber the light will spill out and be visible, even through the jacket. If you can see the light at the far end you know the cable has no breaks. Works on cables up to three miles long. Housed in a rugged aluminum case. Comes with carrying case, lanyard, lens cap, two AA batteries and manual.

Cat. No.	Mfr. No./Description	Each
624-612	VFF5 Fiber Visual Fault Locator	$395.00

For replacement batteries, see page 311



ok

Fiber Optic Stripper Kit

- Patented Micro-Strip® technology prevents nicking of glass
- Versatile quick change for numerous fiber sizes

The FSK-1 fiber optic stripping kit is designed for the installers and technicians. The innovative range of tools allows for quick and easy stripping of jackets, coatings and buffer materials, yet is designed to preserve the integrity of the glass core. Opposing stripping blades self-align around the fiber to assure concentric scoring and precision stripped, nick-free fiber. The tools also include a fiber support channel which maintains perpendicularity between the fiber and the blades helping to prevent core damage from flexing and bending. Kit is for 125/140 Cladding; 250/900 Coating; and 2.5 & 3.0mm Jackets.

Cat. No.	Description	Each
125-040	Fiber Optic Stripper Kit	$265.00

NEW



Cletop Connector Cleaning System

A completely self-contained system for cleaning connector ferrules. A special lint-free fabric-on-a-reel quickly cleans ferrule endfaces of dust, oil and other contaminants without the need for alcohol. One cleaning reel can be used for over 400 ferrule cleanings.

Cat. No.	Description	Each
379-001	Cletop Connector Cleaning System	$160.00
379-002	Cletop Replacement Reel	46.00



NOYES
FIBER SYSTEMS

Optical Fiber Scopes

➥ 200 and 400X ➥ Easy-to-use

Offers quick set-up and easy operation. Simply thread on the proper connector mount and turn on the scope. The **200X Fiber Scope** uses same connector mounts as power meters on page 163. The **400X Fiber Scope** has its own mounts, plus a convenient X-Y axis adjustment which allows quick centering of the polished surface. Each scope has a laser light filter for safety. Operates on two AA batteries included or with the optional AC adapter. The **Tripod** is a convenient option and we highly recommend the **Hard Carrying Case. Adapter Caps** required for operation.

Cat. No.	Description	Each
76-150	200X Optical Fiber Scope	$499.00
76-151	400X Optical Fiber Scope with X-Y Adjustment	850.00
76-152	Replacement Bulb, High Intensity, for either Scope	30.00
76-153	AC Adapter for either Scope	45.00
76-154	Hard Carrying Case for either Scope	85.00
76-155	Tripod Stand for either Scope	80.00
76-156	FC Adapter Cap for 400X Scope	50.00
76-157	SMA Adapter Cap for 400X Scope	50.00
76-158	SC Adapter Cap for 400X Scope	95.00
76-159	ST Adapter Cap for 400X Scope	95.00
76-100	FC Adapter Cap for 200X Scope	50.00
76-102	SMA Adapter Cap for 200X Scope	50.00
76-101	SC Adapter Cap for 200X Scope	95.00
76-105	ST Adapter Cap for 200X Scope	50.00
76-103	FDDI Adapter Cap for 200X Scope	95.00

For replacement batteries, see page 311



FISKARS®

Our Best Fiber Optic Shears

➥ Micro serrations ➥ Graduations for quick measurements

Designed to hold up to the abuse of cutting extremely hard Kevlar strength members found in fiber optic cables. Most shears not designed to this purpose last a short time, providing poor service soon after purchase. Micro serrated and high strength cutting edges provide many times the service life of other cutters, without high cost. High visibility, bright orange handles are spring loaded with rubber inserts for control and comfort.

Cat. No.	Description	Each
51-924	Fiber Optic Shears	$26.00



True View Fiber Scope

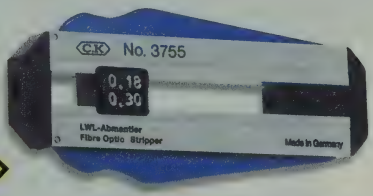


➥ Up to 400X effective

Pocket-sized battery powered fiber inspection scope provides outstanding image quality and great value. Scope comes with a 100X straight view adapter. This gives you direct reflection image of the end face for viewing gross blemishes during polishing or inspecting. The optional angled adapter tilts the end face 22°. This sends light into the fiber and cladding, backlighting subtler blemishes offering a more thorough examination without the hassles of high magnifications. There's also an 8X loupe for gross inspection. Accepts any 2.5mm ferrule connector. Use the Pocket Source for a quick check of fiber continuity. AA batteries included in both.

Cat. No.	Description	Each
422-001	TrueView Fiber Scope	$86.00
422-002	Angle Adapter	38.50
422-003	SMA Threaded Adapter	30.00
422-004	Bare Fiber Adapter	30.00
422-005	Pocket Source Continuity Checker	33.50
422-006	Leather Case	25.00

For replacement batteries, see page 311



C.K

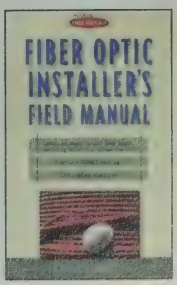
Fiber Optic Cable Stripper

➥ Optimum precision for singlemode fiber

This is a high precision fiber optic cable stripper designed specifically for .125 fiber. Opposing blade design with a 4 micron tolerance gives a no-nick strip. Stripping knives and wire guide are especially made to comply with the special requirements of single core fiber optic cable stripping. This ensures superior strips time and time again.

Cat. No	Description	Each
194-006	Fiber Optic Cable Stripper	$69.95

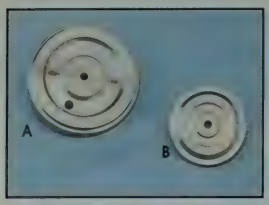
Fiber Optic Installer's Field Manual

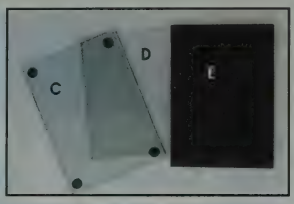


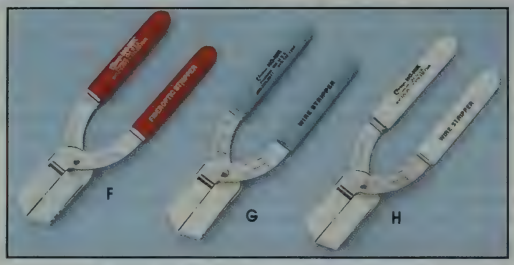
This book is a compendium of the diagrams and procedures needed to install fiber optic cable indoors and outdoors, with complete guidelines on testing, troubleshooting and maintenance. Perfect for technicians, electricians, engineers, and cable installers. Covers all major optical fiber types, including Wave Division Multiplexing (WDM) and optical couplers, as well as SONET and LAN cabling standards. 400 pages

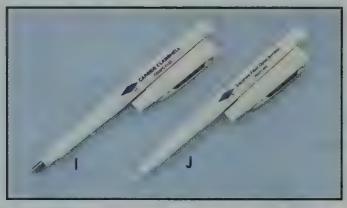
Cat. No.	Description	Each
960-050	Fiber Optic Installer's Field Manual	$49.95

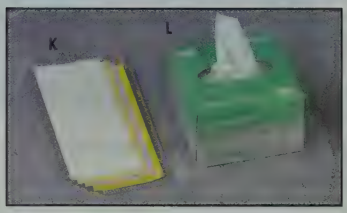
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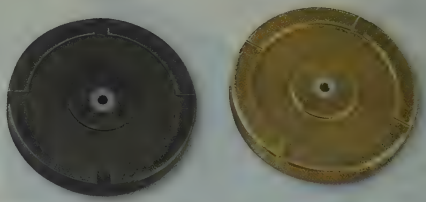




High Quality Fiber Optic Tools

Cut, strip, crimp, polish and inspect fiber optic terminations.

Cat. No.	Key	Description	Each
Polishing Pucks and Plates			
80-734	A	ST Polishing Bushing	$69.00
80-730	B	FC/PC Polishing Puck	63.00
1-779	C	Glass Plate	10.00
634-250	D	Plexiglass Plate	11.00
634-375	E	Foam Plate	8.00
Strippers from Clauss			
4-033	F	No-Nix Stripper, 125-150µ	$43.00
4-301	G	No-Nix Stripper, 159-200µ	40.00
4-305	H	No-Nix Stripper, 200-250µ	40.00
Scribers			
992-705	I	Carbide Scribe Clamshell	$65.00
994-SCR	J	Sapphire Scribe 60°	50.00
Film Sleeves			
116-128		Polishing Film, .3 Micron, 50/pk.	$39.00
116-001		Polishing Film, 1 Micron, 50/pk.	39.00
116-003		Polishing Film, 3 Micron, 50/pk.	39.00
116-012		Polishing Film, 12 Micron, 50/pk.	39.00
116-015		Polishing Film, 15 Micron, 50/pk.	39.00
99-265	L	Cleaning Tissues	3.75

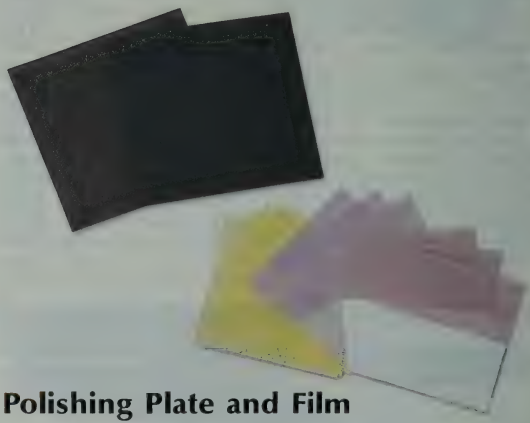


Polishing Fixtures

- **Singlemode & Multimode applications**
- **Wet or dry polishing**

Introducing two New Generation polishing disks. These extremely affordable fiber polishing jigs exhibit less wear than many other polishing disks on the market, yet are priced less than most. **116-005** has a long lasting vapor deposited Diamond coating and **116-006** is Titanium coated and will not leave metallic contamination behind. Both are universal for ST/SC/FC applications and have a large diameter lightweight aluminum base for a comfortable feel. They withstand the abuse of aluminum oxide, silica based and diamond lapping films with no appreciable reduction in working surface.

Cat. No.	Description	Each
116-005	Diamond Coated Polishing Fixture	$70.00
116-006	Titanium Coated Polishing Fixture	42.00



Polishing Plate and Film

116-007 is a non-skid fiber optic smoked and hardened acrylic polishing plate and curl free pad. It is ultra smooth and long lasting, and acrylic polishing plates are shatterproof and make it easy to spot clear fiber. **116-008** is two step, 3 and 0.3 micron polishing film and **116-009** is two step, 1 and 5 micron polishing film. Both allow user to do a rough and a finish polish while using the same film. They come in a package of 25 sheets. **116-010** is the Royal Finish, less than 1 micron finish polishing film. This is an ultra fine finish suited for GigaBit applications that demand a scratch-free finish. Comes in package of 25 sheets.

Cat. No.	Description	Each
116-007	Polishing Plate & Curl Free Pad	$20.00
116-008	2-Step 3 & 0.3 micron polishing film 25/pk.	19.50
116-009	2-Step 5 & 1 micron polishing film 25/pk.	19.50
116-010	Royal finish <1 micron polishing film 25/pk.	19.50

FSM-30R12 Mini Mass Fusion Splicer Kit

- **Ultra small and lightweight design**
- **Splices up to 12 fibers simultaneously**
- **Built-in programmable tube heater**

The Mini Mass Fusion Splicer is extremely small and lightweight in design. Improved immunity to ambient conditions and slide-in modular powering units (including battery) provide unprecedented mass fusion splicing capability in remote and outdoor splicing locations. Splices up to 12 fibers simultaneously in 30 seconds. Splices non-zero dispersion-shifted (NZ-DS) fibers, simultaneous focus on all 12 fibers and large image magnification on a low-glare 5" color LCD monitor provides great fiber visibility, wind protected design that withstands 30mph cross winds, built-in programmable tube heater, automatic adjusting fusion arc to compensate for differences in atmospheric pressure or altitude (up to 11,500ft.), and slide-in modular powering units that can accept AC adapter, battery, or a camcorder battery adapter. Kit also includes fiber holders, hot jacket stripper, cleaver base, fiber arrangement tool, field replacement battery, AC adapter/battery charger, case and splice protection sleeves. 5.9 x 5.9 x 5.9", 6.2 lbs.

Cat. No.	Description	Each
320-001	FSM-30R12 Mini Mass Fusion Splicer Kit	$38,400.00



FSM-40S Profile Alignment Fusion Splicer

- **Ergonomic design for taut-sheath splicing**
- **Fast 15 second splicing time**

This unit delivers the benefits of PAS core alignment splicing in a field-friendly, highly portable, mini-splicer package. Ergonomic improvements allow the FSM-40S to be used in difficult aerial taut-sheath splicing conditions, which require proper work flow and minimal fiber slack. The splicer has been designed for use in harsh, outdoor conditions and features an innovative wind protector, which allows splicing in 30 mph cross winds. Features also include automatic core to core low loss splicing regardless of fiber quality or age, a fast 15 second splicing time, excellent visibility in bright sunlight with a 5" LCD monitor, available multiple pre-programmed modes for specialized splicing, multiple tube heater and attenuation modes, selectable image display that includes single and dual axis fiber viewing, and slide in power modules including AC adapter, battery, or camcorder battery adapter. Includes case, fiber cleaver, and splice protection sleeves. 8.3 x 7.4 x 6.7", 17.6 lbs.

Cat. No.	Description	Each
320-002	FSM-40S profile Alignment Fusion Splicer	$29,200.00



JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



FSM-16S Mini Fusion Splicer

➥ **Ergonomic design for taut-sheath splicing**
➥ **Fully automatic with loss estimation**

The technology in this unit provides unprecedented utility in harsh outdoor splicing environments. Altitude/pressure compensation is provided in order to assure proper arc conditions in extreme environments. The wind protector assures a stable arc in cross winds in excess of 30mph. A 5" color anti-reflective LCD monitor with an unmatched 110X fiber magnification and simultaneous X-Y view ensures excellent visibility during splicing operations. The small size, light weight, and docking-bay for power modules promote use in a variety of field scenarios. Includes splice data storage of 300 splice data records. Kit includes fiber cleaver, field replacement battery, AC adapter/battery charger, case, and splice protection sleeves. 5.9 x 5.9 x 5.9", 5.9 lbs.

Cat. No.	Description	Each
320-003	FSM-16S Mini Fusion Splicer	$13400.00



HJS-02 Hot Jacket Stripper

Provides superior ribbon and field-ribbonized stripping performance. Designed to conserve power for field stripping operations when being conducted by battery power. Normal and "battery-save" modes are selectable. A temperature selection switch is also provided for easy optimization in the field for different fibers or operating conditions. An optional single fiber adapter may be used to convert to single fiber capability for high strength splicing applications, or for single fiber capability for difficult to strip fibers.

Cat. No.	Description	Each
[illegible]	HJS-02 Hot Jacket Stripper	$1140.00
[illegible]	Single Fiber Adapter	145.00



High Precision Fiber Cleaver

The palm sized CT-04B cleaver features a flexible design which permits it to meet a variety of cleaving requirements. Included is the AD-07 guide that provides cleaves of 10 to 20mm for 900μm, and 6 to 20mm for 250μm buffer diameters. In addition, if the adapter plate is removed, the cleaver can accept fiber holders to support multi-fiber cleaving operations. 3.5 x 2.2 x 1.9", 1.4 lbs.

Cat. No.	Description	Each
320-005	High Precision Fiber Cleaver	$1676.00

CT-100B High Precision Cleaver

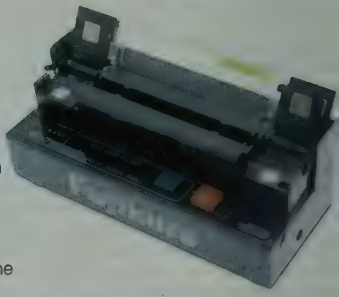


➥ **For mass and Titan® fiber cleaving**

A compact, light weight cleaver that is optimal for mass fiber cleaving, as well as for Titan® fiber cleaving. The linear motion anvil design provides consistent, high quality multifiber cleaves. The blade height can be quickly adjusted between positions for standard fiber or Titan fiber by means of a simple switch. Blades last a minimum of 1,000 scribes per blade position (12 positions). 3.5 x 2.2 x 1.9", 1.4 lbs.

Cat. No.	Description	Each
320-004	CT-100B High Precision Cleaver	$1766.00

SH-7 Tube Heater



A new generation in tube heater technology that makes vast improvements over previous designs. A mode switch allows selection of the appropriate heat cycle for 60mm single fiber sleeves, 40mm single fiber sleeves, mass fusion splice sleeves, and also for new micro protection sleeves. A heating time switch allows adjustment for ambient conditions. The SH-7 is designed to withstand tough outdoor field conditions and may be operated in temperatures of -10°C to +50°C, and cross winds of more than 30mph.

Cat. No.	Description	Each
320-006	SH-7 Tube Heater	$950.00

JTK®-22

Basic Fiber Termination Kit

- **Anaerobic Fiber Termination Kit for ST/SC & LC Connectors**
- **Accommodates Singlemode & Multimode Connectors**
- **Low Cost & Lightweight**

A complete fiber-optic-connector installation tool kit that uses an anaerobic adhesive for permanent low loss terminations and the ability to use various manufacturers connectors. All necessary tools and consumables are included to properly terminate your fiber optic cable. A step-by-step manual is also included to carefully guide you through the process. One year warranty.

The JTK-22 includes the following:

- Soft-Sided Case
- Crimp Tool
- Crimp Dies
- Scribe
- Jacket Stripper
- Buffer Stripper
- 100x Microscope
- Scissors
- OptiCure 100 Primer
- OptiCure 100 Adhesive
- Alcohol Bottle
- Water Bottle
- Safety Glasses
- Plastic Box
- Wipes
- Marker
- Ruler
- Polishing Fixture
- Syringes
- Needle Tips
- Polishing Pad
- 1 & 5 Micron Polishing Film
- Kit Key
- Templates
- Instruction Manuals.



Cat. No.	Description	Dimensions (L x W x D)	Weight (Lbs.)	Kit Price
JTK-22	Basic Fiber Termination Kit	15 x 12 x 6"	7	$915

JTK®-18

Universal Fiber Termination Kit

- **Terminates Epoxy, Hot Melt & Anaerobic style connectors**
- **Works with 100's of connectors**
- **Accommodates Singlemode & Multimode Connectors**

This Universal Fiber Termination Kit contains a unique dual-purpose Quick-Temp® Oven which accommodates hot melt connectors on one side, and Epoxy-Cure connectors on the other side. Also included are two crimp tool frames, four precision dies and all the components and consumables necessary to terminate hundreds of different fiber optic connectors. This includes ST, SC, FC & LC from many different manufacturers. This very versatile kit comes complete in a hard shell case for easy transportation to the work site. Detailed instruction manuals are included to assist you in making quality terminations. One year warranty.

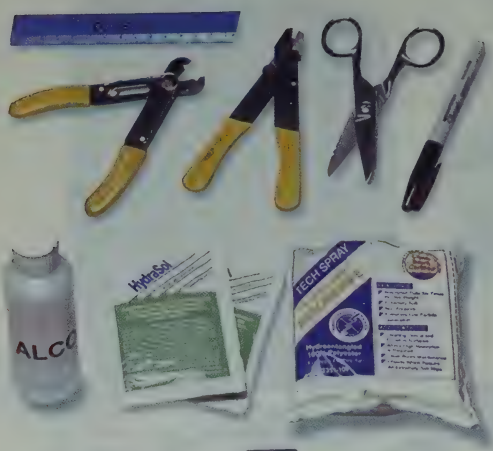
The JTK-18 includes the following:

- 2 Crimp Tools
- 4 Crimp Dies
- Scribe
- Jacket Stripper
- Buffer Stripper
- 100x Microscope
- Electricians Scissors
- Dual Purpose Oven (14 ports)
- Debris Container
- Canned Air
- Alcohol Bottle
- Water Bottle
- OptiCure 100 Primer
- OptiCure 100 Adhesive
- Saf-T-Stand
- Safety Glasses
- 2 Plastic Boxes
- Masking Tape
- Epoxy
- Wipes
- Alcohol Pads
- Utility Pouch
- Tool Roll
- Marker
- Ruler
- ST & Universal Holders
- Holder Handles
- Curing Clips
- ProFixture Polishing Tool
- Syringes
- Needle Tips
- Cure Adapters
- Polishing Pad
- 1 & 5 Micron Polishing Film
- Templates
- Manuals



Cat. No.	Description	Dimensions (L x W x D)	Weight (Lbs.)	Kit Price
JTK-18	Universal Fiber Termination Kit	21 1/2 x 16 1/2 x 7 1/4"	20	$2150

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690







JENSEN®

Master Epoxy Consumables Kit

Consumables needed for the JTK-22 and JTK-18. This kit contains 100 sheets of 1 Micron Film, 100 sheets of 5 Micron Film, (2) 6-packs of Epoxy, 100 Wipes, 10 Syringes, and 10 Needle Tips.

Cat. No.	Description	Each
418-836	Master Epoxy Consumables Kit	$225.00



JENSEN®

OptiCure 100 Anaerobic Consumables Kit

Consumables that supplement the JTK-22 and JTK-18. This kit contains 1 bottle of OptiCure Primer, 1 bottle of OptiCure Adhesive, 10 Syringes and 20 Needle Tips.

Cat. No.	Description	Each
418-837	OptiCure 100 Anaerobic Consumables Kit	$92.00

JENSEN®

Multi-Purpose Splice Kit

Allows for a variety of splices from different vendors

Technicians can now splice a majority of the mechanical and fusion splices that are available today. This unique and versatile kit contains the proper tools and consumables needed to splice the 3M Fibrlok, the Siecor CamSplice, the AMP Corelink, the Ultra Splice and many others. The Fitel Cleaver is included for achieving 90 degree angle cleaves for the proprietary 3M Fibrlok and Siecor CamSplice assembly tools are also included. Comes with a carrying pouch.

Cat. No.	Description	Each
418-835	Multi-Purpose Splice Kit	$1750.00



INTERNATIONAL DATA SCIENCES, INC.

MADE IN USA

Breakout Boxes

Model 100 has no-guesswork display. Two colors differentiate high or low signal. Switches for forcing CTS, DCD, RTS, DTR on and crossing RD with TD. Includes remote cable test adapter. Operates on two 9V batteries included.

Model 62BP has twin LEDs for the most common lines and a spare pair for monitoring any other. TD and RD crossover, and a pulse trap to capture fast glitches. Operates on two 9V batteries included.

Model 61 uses dual-color LEDs to monitor 12 common lines, full breakout supplied. Operates on four AA batteries included.

Model 60 is the original Blue Box. IDS' low cost breakout box with basic line monitoring. Operates on two AA batteries included.

Models V.35, RS-449 and **EIA 530** have dual LEDs for line monitoring up to 3Mbps speeds and breaks out the interface. Pulse traps grab fast pulses. Test voltages force signals high or low and two loads provide network termination. Operates on two 9V batteries included.

Cat. No.	Mfr. No./Description	Each
822-100	Model 100 Breakout Box	$265.00
822-062	Model 62BP Breakout Box	185.00
822-061	Model 61 Breakout Box	185.00
822-066	Model 60 Breakout Box	115.00
822-350	Model V.35 Breakout Box	625.00
822-049	Model RS-449 Breakout Box	425.00
822-530	Model EIA 530 Breakout Box	450.00

For replacement batteries, see page 311

INTERNATIONAL DATA SCIENCES, INC.

GSA FSS Contractor

All products on this page are available under ★GSA Contract No.: GS-24F-9019H

Model 76B BERT

An all purpose BERT for testing async and sync Wide Area Networks running at data rates from 10 bps to 10 Mbps including T1, E1, Fractional T1, and Fractional E1. Choose between six async and eight sync parameters such as Bit Error Rate, Block Error Rate, Error Free Seconds and Bipolar Errors. The 76B will also count bipolar violations, framing errors, CRC errors and the number of times synchronization has been lost. Interchangeable interface modules are available and allow you the flexibility to connect to a wide variety of systems. Cables included with modules. AC powered. Three year warranty.



Cat. No.	Mfr. No./Description	Each
822-076	Model 76B BERT Base Unit	$1695.00
822-035	Model V.35 Module	545.00
822-449	Model RS-449, -422, -423 Module	445.00
822-232	Model RS-232 Module	445.00
822-140	Model DS1/T1 Module	745.00
822-302	Model T1/Fractional T1 Module	1045.00
822-001	Model T1/Fractional T1 with Drop and Insert	1545.00
822-002	Model E1/Fractional E1 Module	1245.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Fast Portable Serial Analyzer

➥ **Battery powered** ➥ **Tests up to 115.2kbps**

Small, lightweight full feature serial analyzer. See exactly what each computer device is saying right on an eight line display. See the characters following in either direction along with interface signals. Performs synchronous, asynchronous monitoring, testing, protocol decode, BERT, and more. Use as a terminal or printer tester, troubleshoot wide area network equipment, capture data using triggers, and determine network performance with the BERT. Async to 115.2kbps and sync to 64kbps lets you test almost all types of equipment. The eight line display and 64 key QWERTY keyboard make it easy to use. **DLM250** includes nine tristate LEDs on front panel and a buffer capacity of 256K NVRAM, 65,000 records of TD and RD data. Complete with 9V battery. 9.25 x 5.5 x 1.4", 23 oz.



Cat. No	Mfr. No./Description	Each
307-200	DLM200 Serial Protocol Analyzer	$1895.00
307-250	DLM250 Serial Protocol Analyzer	2435.00

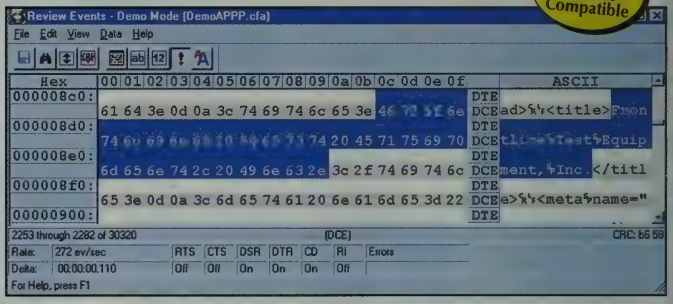
For replacement batteries, see page 311

Windows 95/98 NT/2000 Compatible

Frontline™ Serialtest

➥ **PC-based protocol analyzer**

Turns any PC into a full-featured sync/async serial data protocol analyzer for both notebooks and desktops. The Serialtest FTS 32-bit software takes the place of expensive dedicated protocol analyzers. When purchased with the **Comprobe Adapter**, it connects via the parallel printer port and allows you to passively monitor and actively test both synchronous and asynchronous devices. Monitor mode shows exactly what is flowing between any two serial devices (bytes, control signals, and protocols). Source mode allows interactive simulation of DTE and DCE devices. **Serialtest Async** is limited to async-only analysis and also includes the FTS software and custom cable set. The **SerialBERT** option includes a comprehensive Bit Error Rate Tester that runs on any PC or notebook.



Cat. No	Description	Each
965-002	Serialtest Sync with Comprobe Adapter	$1950.00
965-004	Serialtest Sync with SerialBERT	1950.00
965-005	Serialtest Async - Windows*	395.00
965-007	Serialtest Sync with Comprobe - Windows*	1895.00

*Compatable with Windows 95, 98, NT and 2000

Serialtest w/ComProbe	Specifications	Serialtest Async
RS-232, Mil STD-188	Data Interfaces	RS-232
Up to 64K bps, including support for user-defined non-standard baud rates.	Sync Baud Rates	Not Available
Up to 38.4K bps, including support for user-defined non-standard baud rates.	Async Baud Rates	Up to 115.2K bps, including support for user-defined non-standard baud rates.
Monitor, Source DTE, Source DCE	Operating Modes	Monitor, Source DTE, Source DCE
Async, Sync-NRZ & NRZI (external and internal clocking supported)	Communication Modes	Async
Monosync, Bisync, HDLC, SDLC, X.25 SNA, [illegible]ay, PPP, SLIP, TCP/IP, user [illegible]ack, and customer decodes	Protocols	PPP, SLIP, TCP/IP, user customized protocol stack, and custom decodes
[illegible]uding user-defined XON/XOFF [illegible]ardware (RTS/CTS & DTR/DSR)	Flow Control	Software (including user-defined XON/XOFF characters, Hardware (RTS/CTS & DTR/DSR)
[illegible]bit ASCII, EBCDIC Baudot	Character Sets	ASCII, 7-bit ASCII, EBCDIC, Baudot
[illegible]e, Even, Odd, Ignore	Parity	None, Even, Odd, Mark, Space
5, 6, 7, 8 bits	Word Length	5, 6, 7, 8 bits
1, 1.5, 2	Stop Bits	1, 1.5, 2



SIMCheck II Plus Series

A valuable tool for fast, accurate testing of memory devices. Its modular design can accommodate most types of memory from individual chips to DIMM arrays. Extensively tests for failures, and to qualify and segregate large numbers of devices by architecture, speed and size. PC communications is built into the SIMCheck II and IIse. **Includes SYNC Dimmcheck 168 to support 168-pin SDRAM/EDO/FPM DIMM modules.** 115VAC/230VAC. One year warranty.

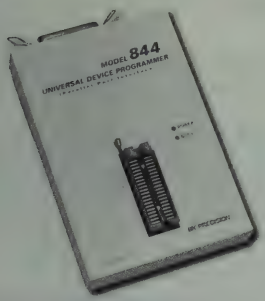
SIMCheck II uses a 32 bit controller to provide high in-depth and fast testing of 72 pin and 30 pin SIMMs for sizes to 4Gx40. SIMCheck offers a large array of adapters for testing many kinds of memory devices including DIMMs, Zips, individual chips, static RAM and more.

SIMCheck IIse contains the same electronics, display and firmware and can be completely upgraded in the future. It has a 72-pin test socket for testing 72-pin SIMM sizes up to 4Gx40, along with a 90-pin expansion slot for add-on products. A 30-pin SIMM test socket is optional.

Features	SIMCheck II	SIMCheck IIse
Compact & Stand-Alone	✓	✓
Built-In 32 Bit Processor for Fast Test Times	✓	✓
Large Memory Support up to 4G Modules	✓	✓
Cycle Time Measurement	✓	✓
Automatic EDO/ FAST PAGE MODE Detection	✓	✓
Upgrades Via the Internet	✓	✓
Realtime PC Interface	✓	✓
Optional SDRAM Support	✓	✓
90-Pin Expansion Slot	✓	✓
3.3V / 5V Voltage Support	✓	✓
72-Pin SIMM Test Socket	✓	✓
30-Pin SIMM Test Socket	✓	
Speed Resolution	1ns	2-3 ns
On-The-Fly Parameter Changes	✓	
Advanced Setup (inc. Trcd/Trah, Testflow, Pattern, and Mode Setups)	✓	
Optional Automatic Handler Support	✓	
Carrying Case	✓	

SIMCheck Testers & Adapters

Cat. No.	Description	Each
442-120	SIMCheck II Plus Advanced Memory Tester	$1895.00
442-121	SIMCheck IIse Plus	1795.00



BK PRECISION

Model 844 Universal Programmer

➥ **Full screen menu operates by simple keystroke commands**

A versatile device programmer that operates under Windows TM, Windows NTTM or DOS based software operating system. The library consists of over 1300 devices including EPROM, Gal, Pal, and Microcontroller families. The 844 will program Integrated Memory Circuits up to 8MB. The unit provides a single 40 pin ZIF socket for use with DIP IC packages. Unit includes programmer, 6ft. printer cable, 120V power adapter, installation diskette and manual. 7.25 x 5 x 1.25".

Cat. No.	Description	Each
33-244	Model 844 Universal Programmer	$420.00



BK PRECISION

Model 845 Universal Programmer

➥ **Library of over 3100 devices**

A software expandable universal device programming workstation that supports a wide variety of programmable devices with the added capability to test digital Ics. Includes a 48-pin universal driver and expandable TTL pin driver, allowing you to control the programmer's pin switches, so each can supply Vcc, Vpp or GDN. Pins may be configured for TTL high/low levels with pull-high/pull-low, high speed clock and tri-state. This advanced pin design lets you program any DIP devices up to 48 pins without an adapter. The operating software has a user friendly interface that includes window type pull down menus, macro facility for batch file execution and virtual memory management to deal with very large files. Includes programmer, universal 110-240V power supply, 6ft. print cable, installation disk and manual.

Cat. No.	Description	Each
33-245	Model 845 Universal Programmer	$1295.00



LOGICAL DEVICES, INC.

Shooter III Handheld Programmer

Shooter III is a handheld Chip programming system that allows the user to either copy EPROM's in stand alone (copier) mode or to download a file from any computer with an RS-232 port. The user interface is compatible with standard modem data transfer protocol making it compatible with any operating system. Programmer includes a master and slave socket capable for programming EPROM's, 16K to 8 Megabits of memory and an easy to use keyboard with LCD display for device selection and basic programming operations. Also, the entire command set can be invoked from a PC with simple single character ASCII transmission. The unit includes two 32 pin ZIF sockets, power supply, RS-232 cable, PC terminal program and user manual. 3.75 x 7.25 x 2".

Cat. No.	Description	Each
943-040	Shooter III Handheld Programmer	$375.00

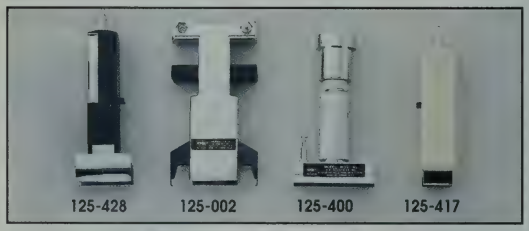
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Fax Lines: 800-366-9662 • 602-438-1690

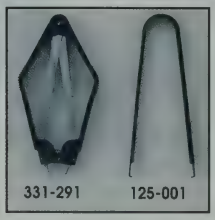


Floor Pullers and Wall Bracket

Double-cup lifters can lift up to 80 lbs. Optional **Wall Mount Bracket** for holding any model of floor panel puller that we sell.

Cat. No.	Description	Each
570-540	4" Double-Cup Puller	$29.00
570-541	5" Double-Cup Puller	32.50
570-001	Optional Wall Mount Bracket	24.00

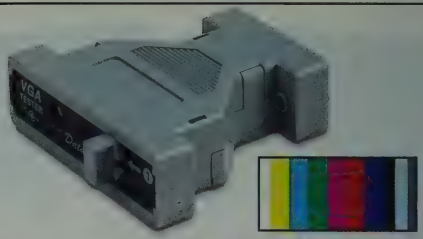






Chip Pullers and Inserters

Cat. No.	Description	Each
[illegible]	Inserter. For 24 to 28 pin wide chips	$17.00
[illegible]	Extractor. Pulls 24 to 40 pin wide body chips	26.00
[illegible]	Inserter. For 36 to 40 pin wide chips	22.00
[illegible]	Inserter. For 14 to 16 pin narrow chips	18.00
[illegible]	Extractor only. For 24-124 pins. EDS safe.	16.95
[illegible]	Extractor. For 8 to 24 pin narrow chips	5.00
[illegible]	Kit including 125-428, 125-002, 125-400, [illegible] & 125-001	67.00



VGA-Plus Computer Monitor Tester

➥ **Extremely portable** ➥ **Extended burn-in capabilities**

The VGA-Plus is a compact and versatile computer monitor tester. With 16 switch selectable functions, you can diagnose, repair and test all VGA type monitors, projectors, LCD displays and video capture equipment without the need of a computer. The VGA-Plus will test for Purity, Blank Raster, High Voltage Regulation, Pincushion, Convergence, Linearity, Color Balance, Sync Rate and provides sequencing functions which allow extended burn-in testing for Fixed Scan, Multi Scan or Multi Scan with Power Cycling (Energy Star/Nutek compliant monitors). The tester is equipped with a DC power jack and has a 15-pin high-density female D-Sub connector. The unit measures 2.25 x 2.18 x .65" and is powered with a 9-volt battery not included.

Cat. No.	Description	Each
269-001	VGA-Plus Computer Monitor Tester	$79.00

TechRef is Ultimate PC Companion



Handbook reference contains all of Pocket PCRef, Pocket PC Directory, plus chapters with Windows 95 keyboard shortcuts and 250 helpful web sites. Configuration specs for over 3400 hard drives, 460 floppy drives. DOS reference through 6.22, ASCII codes, hardware and software interrupts, IO maps, cable pinouts, error codes, CPU table, printer codes and more. Directory of over 2000 PC equipment and peripherals manufacturers with addresses, phone numbers, BBSs, web sites, and more. 5 x 7.5 x 1.2". 880 pages.

Cat. No.	Description	Each
939-016	TechRef	$29.95

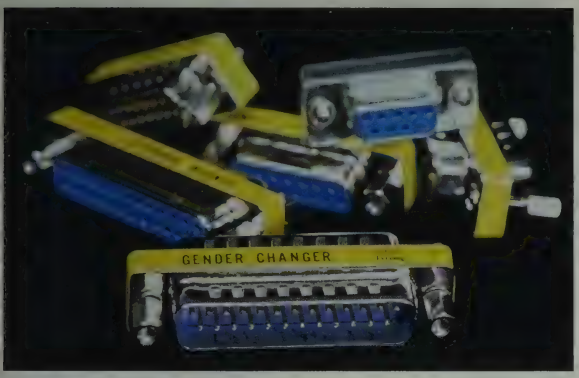


Degaussing Coil

➥ **For all color CRT service**

Useful in eliminating "color spots" on CRT displays, required before purity adjustments. High-density alternating magnetic field emanates from durable, high-impact plastic housing. Spring-loaded switch in grip helps prevent accidental turn-on. 13" diameter, 8' cord.

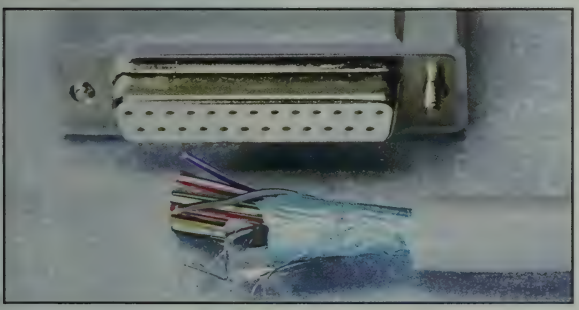
Cat. No.	Description	Each
60-317	Degaussing Coil	$53.00



Gender Changers

- Slim design, fully shielded
- Male-to-female models save connector from wear

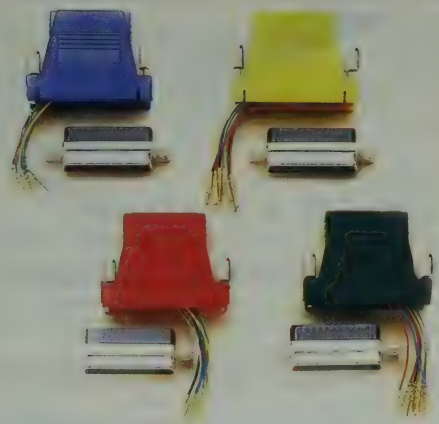
Cat. No.	Description	Each 1-4	5-11	12+
502-320	D-37 F to F	$10.00	$8.00	$7.80
502-237	D-37 M to M	10.00	8.00	7.80
502-265	D-25 F to F	6.00	4.80	4.68
502-250	D-25 M to M	6.00	4.80	4.68
502-215	D-15 F to F	6.00	4.80	4.68
502-255	D-15 M to M	6.00	4.80	4.68
502-900	D-9 F to F	5.25	4.20	4.09
502-290	D-9 M to M	5.25	4.20	4.09
502-737	D-25 M to F Connector Saver	8.00	6.40	6.24
502-736	D-9 M to F Connector Saver	7.50	6.00	5.85



Cable Assemblies

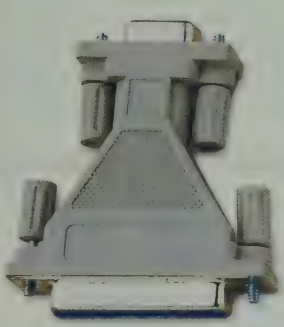
- Molded, shielded, fully wired straight through

Cat. No.	Description	Length	Each 1-5	6-11	12+
Printer or Serial					
502-365	D-25m-to-D-25f	25'	$19.95	$17.96	$17.56
502-368	D-25m-to-D-25f	10'	9.95	8.96	8.76
502-370	D-25m-to-D-25f	6'	8.25	7.42	7.26
502-366	D-25m-to-D-25m	25'	19.95	17.96	17.56
502-367	D-25m-to-D-25m	10'	9.95	8.96	8.76
502-369	D-25m-to-D-25m	6'	8.25	7.42	7.26
Serial Extension					
502-719	D-25m-to-D-9f	25'	$13.00	$11.70	$11.44
502-718	D-25m-to-D-9f	10'	7.00	6.30	6.16
502-371	D-25m-to-D-9f	6'	5.95	5.36	5.24
502-717	D-9m-to-D-9f	25'	13.25	11.93	11.66
502-716	D-9m-to-D-9f	10'	6.50	5.85	5.72
502-715	D-9m-to-D-9f	6'	5.35	4.82	4.71



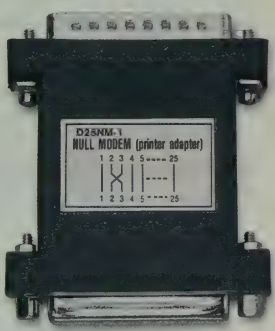
Modular to RS-232 Adapters

Cat. No.	Description	Each 1-4	5-11	12+
780-280	DB-9F to RJ-11, Black	$5.75	$4.60	$4.49
780-300	DB-25M to RJ-11, Black	5.75	4.60	4.49
780-270	DB-9F to RJ-45, Black	5.75	4.60	4.49
780-275	DB-9M to RJ-45, Black	5.75	4.60	4.49
780-285	DB-25F to RJ-45, Black	5.75	4.60	4.49
780-290	DB-25M to RJ-45, Black	5.75	4.60	4.49
780-250	DB-9F to MMJ, Black	5.75	4.60	4.49
780-552	DB-25F to RJ-45, Blue	5.75	4.60	4.49
780-560	DB-25M to RJ-45, Blue	5.75	4.60	4.49
780-550	DB-25M to RJ-45, Red	5.75	4.60	4.49
780-561	DB-25M to RJ-45, Green	5.75	4.60	4.49
780-562	DB-25M to RJ-45, Yellow	5.75	4.60	4.49



1 2 3 4 5 6 7 8 20
1 2 3 8 20 7 4 5 6

502-605



1 2 3 4 5 6 7 8 20
1 2 3 4 5 8 20 7 6

502-606

Serial Adapters and Null-Modems

Cat. No.	Description	Each 1-5	6-11
502-600	DB-9F to DB-25F	$5.00	$4.50
502-601	DB-9M to DB-25F	5.00	4.50
502-602	DB-9F to DB-25M	5.00	4.50
502-603	DB-9M to DB-25M	5.00	4.50
502-605	Null-Modem, Standard	5.00	4.50
502-606	Null-Modem, Full Handshake	5.00	4.50

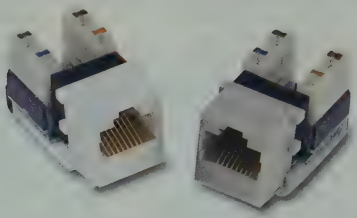
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Category 5/5E In-Line Coupler

Moves, additions and changes become hassle-free when you have the ability to join patch cords to fit your specific application. Easily joins Category 5/5E patch cords while maintaining the high standard of EIA/TIA Category 5/5E. Each is PCB designed for maximum reliability and has a special locking mechanism design for easy feed-through panel installation.

Cat. No.	Description	Each 1-5	6-11
780-140	Category 5E In-Line Coupler, White	$11.75	$10.58
780-141	Category 5E In-Line Coupler, Beige	11.75	10.58
780-100	Category 5 In-Line Coupler, White	10.50	9.45
780-101	Category 5 In-Line Coupler, Beige	10.50	9.45
780-102	Category 5 1,2/3,6 Crossover, White	10.50	9.45



Category 5E Keystone Jacks

- **Cat 5E jacks are color coded for 568A or B**
- **Backward compatible for Cat 5 applications**

The Enhanced Category 5 jack is specially designed for high-speed network applications. Snap into standard keystone wall plates, surface mount boxes or patch panels. A 110 punchdown tool is required to terminate wire. Jacks are UL listed.

Cat. No.	Description	Each 1-4	5-9
399-001	Enhanced Cat 5 Keystone Jack, Ivory	$4.95	$4.70
399-002	Enhanced Cat 5 Keystone Jack, White	4.95	4.70



Surface Mount Telephone Jacks

Available in screw terminal and insulation displacement termination. Jacks can be screwed down or mounted with faceplates provided.

Cat. No.	Description	Each 1-5	6-11
780-144	6 Wire Single Jack, IDC	$5.50	$4.95
780-020	8 Wire Single Jack, Category 4, IDC	5.50	4.95
780-022	8 Wire Dual Jacks Category 4, IDC	6.50	5.85
399-050	4 Wire Single Jack, Screw Terminal	2.25	2.03
399-051	6 Wire Single Jack, Screw Terminal	2.50	2.25
399-052	8 Wire Single Jack, Screw Terminal	3.50	3.15



Category 5E Feed-Thru Panel

- **RJ-45 to RJ-45 connectors**

The Category 5E Feed-Thru Panel allows you to locate desktop concentrators (or hubs) on a 19" rack mount configuration for easy cable management. The unique design can connect patch cords while maintaining Category 5E performance and meets EIA/TIA 568-A UTP Standard for data transmission up to 100 MHz.

Cat. No.	Description	Each
780-420	Category 5E Feed-Thru Panel	$130.00



Feedthrough Modules

Snap into any keystone wall plate, surface mount box, or patch panel. Jacks have female connectors on both sides to accommodate terminated cables.

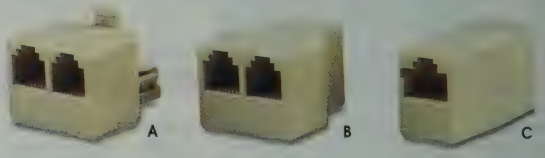
Cat. No.	Description	Each 1-4	5-9
399-011	RJ-11 Feedthrough Module, Ivory	$5.50	$5.22
399-012	RJ-11 Feedthrough Module, White	5.50	5.22
399-013	RJ-45 Feedthrough Module, Ivory	5.75	5.46
399-014	RJ-45 Feedthrough Module, White	5.75	5.46
399-007	CATV F Feedthrough Module, Ivory	2.50	2.38
399-008	CATV F Feedthrough Module, White	2.50	2.38



Surface Mount Keystone Boxes

Accept any keystone jack. Single or double jack openings. Single poet modules feature a slide latch to connect together.

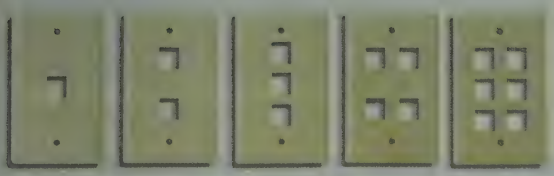
Cat. No.	Description	Each 1-4	5-9
399-017	Single Jack Surface Mount Box, Ivory	$2.50	$2.25
399-018	Single Jack Surface Mount Box, White	2.50	2.25
399-019	Double Jack Surface Mount Box, Ivory	2.95	2.80
399-020	Double Jack Surface Mount Box, White	2.95	2.80



Modular Adapters

Adapters and couplers provide extensions to phone cords or allow the connection of one piece of phone equipment to another.

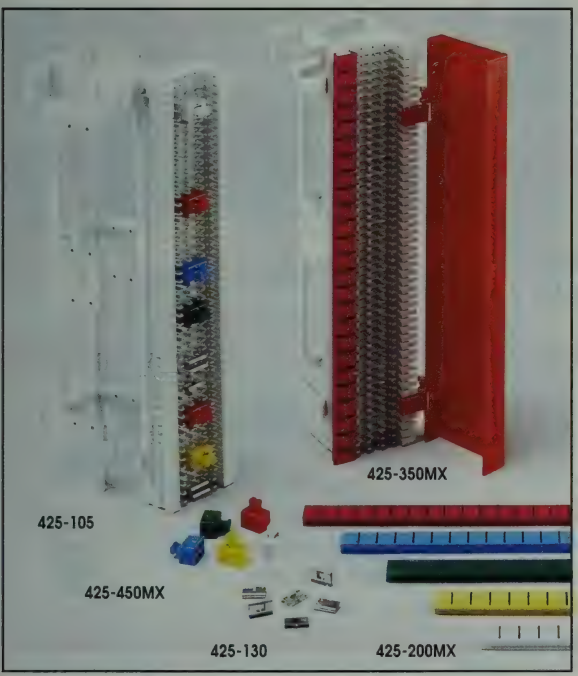
Cat. No.	Key	Description	Each 1-4	5-9
399-076	A	4 Wire Modular Jack Splitter	$2.50	$2.38
399-077	A	6 Wire Modular Jack Splitter	2.75	2.61
399-075	B	6 Wire Modular Duplex Coupler	3.25	3.09
399-074	C	8 Wire Modular Coupler	2.50	2.38
399-072	C	4 Wire Modular Coupler	2.25	2.14
399-073	C	6 Wire Modular Coupler	2.25	2.14



Plastic Wall Plates

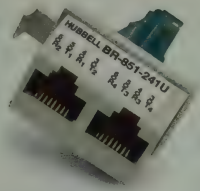
➥ Accepts keystone jacks and feedthrough modules

Cat. No.	Description	Each 1-4	5-9
399-021	1 Port Single Gang, Ivory	$1.95	$1.85
399-022	1 Port Single Gang, White	1.95	1.85
399-023	2 Port Single Gang, Ivory	1.95	1.85
399-024	2 Port Single Gang, White	1.95	1.85
399-025	3 Port Single Gang, Ivory	1.95	1.85
399-026	3 Port Single Gang, White	1.95	1.85
399-027	4 Port Single Gang, Ivory	2.25	2.14
399-028	4 Port Single Gang, White	2.25	2.14
399-029	6 Port Single Gang, Ivory	2.25	2.14
399-030	6 Port Single Gang, White	2.25	2.14



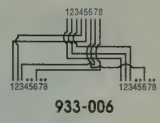
50 Pair 66 Block and Accessories

Cat. No.	Description	Each 1-5	6-11
425-100	Unwired 50 Pair Block	$12.75	$11.48
425-105	Block Stand-Off	5.00	4.50
425-350MX	Hinged Block Covers, 5/pk. (1 ea./5 colors)	14.00	12.60
425-200MX	Lined Rim Strips, 10/pk. (2 ea./5 colors)	14.00	12.60
425-450MX	Single Pair Bridge Clips, 125/pk. (25 ea./5 colors)	45.00	40.50
425-130	Two Position Bridge Clips, 50/bag	4.50	4.05

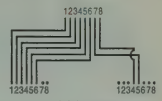




933-002



933-006



933-004

Modular Splitters

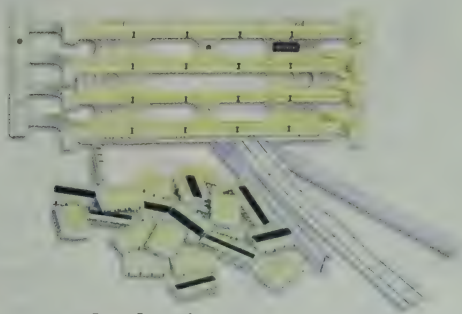
Cat. No.	Description	Each 1-2	3-9	10+
933-002	Modular Splitter	$9.75	$8.97	$8.58
933-004	Modular Splitter	9.75	8.97	8.58
933-006	Modular Splitter	9.95	9.15	8.76
780-700	RJ-45 M-F 10Base-T Crossover	7.75	7.13	6.86





Handset & Line Cords for Telephone Equipment

Cat. No.	Description	Length	Each 1-4	5-9
399-057	4 Wire Cord	7'	$2.00	$1.90
399-058	4 Wire Cord	14'	2.95	2.80
399-059	4 Wire Cord	25'	3.95	3.75
399-060	4 Wire Cord	50'	6.50	6.18
399-062	6 Wire Cord	14'	3.75	3.56
399-063	6 Wire Cord	25'	4.95	4.70
399-066	8 Wire Cord, Round	14'	4.50	4.28
399-067	8 Wire Cord, Round	25'	6.00	5.70
399-070	Modular Handset Cord, Ivory	12'	3.95	3.75
399-071	Modular Handset Cord, Ivory	25'	5.00	4.75



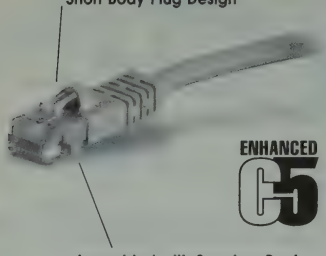
Cat 5 110 Block Kits

➥ EIA/TIA 568-A Category 5 Compliant

Convenient kits come complete with everything you need. 110 block, legs, label holders, label strips, 4 pair 110 connectors and 5 pair 110 connectors.

Cat. No.	Description	Each 1-4	5-9
780-035	100/pr. 110 Block Kit	$27.00	$25.65
780-036	300/pr. 110 Block Kit	65.00	61.75

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Enhanced Cat 5 UTP Patch Cord

➥ Snagless boot design

Designed for Enhanced Category 5 applications, these patch cords feature a short body designed to minimize the distance of untwisting in a pair as a result of termination to contact pins. The cords are equipped with a plug that has a snagless molded boot which covers the clip to prevent the tab from grabbing on other cables or hardware. White only.

10Base-T Enhanced Category 5: 4 Pair 24 Gauge Stranded, Molded Strain Relief

Cat. No.	Description	Each 1-4	5-9
780-310	1' Length	$4.00	$3.80
780-311	3' Length	5.00	4.75
780-312	7' Length	7.00	6.65
780-313	10' Length	8.00	7.60
780-314	14' Length	9.00	8.55
780-315	25' Length	14.00	13.30



Category 5 Stranded Patch Cords

Optimum performance, data integrity and speed are critical to your network. These stranded, molded UTP patch cords meet EIA/TIA 568-A Category 5 Standards and reduce crosstalk by minimizing kinked cables. Different colors available to simplify identification. UL listed, CSA approved and ETL Category 5 certified.

10Base-T Category 5: 4 Pair 24 Gauge Stranded, Molded Strain Relief

Cat. No.	Description	Each 1-5	6-11
780-405XX	1' Length, PVC	$3.25	$2.92
780-406XX	3' Length, PVC	4.25	3.83
780-410XX	5' Length, PVC	4.95	4.46
780-407XX	7' Length, PVC	5.75	5.17
780-411XX	10' Length, PVC	6.75	6.08
780-408XX	14' Length, PVC	8.00	7.20
780-409XX	25' Length, PVC	11.50	10.35

Note: XX=Color BK=Black BL=Blue Leave Blank for White

10Base-T Category 5: Cross-Over Cables

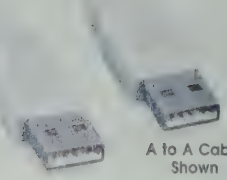
Cat. No.	Description	Each 1-4	5-11
780-750	3' Length	$4.25	$3.83
780-751	7' Length	5.25	4.73
780-752	14' Length	7.25	6.53



ST & SC Fiber Optic Multimode Duplex Cable Assemblies

Each connector is fitted with a zirconia ceramic ferrule for optimal system performance.

Cat. No.	Description	Each 1-4	5-9
29-001	1M ST-ST Assembly	$17.25	$16.39
29-002	3M ST-ST Assembly	20.00	19.00
29-004	7M ST-ST Assembly	36.25	34.44
29-005	10M ST-ST Assembly	30.50	28.98
29-006	1M SC-SC Assembly	26.00	24.70
29-007	2M SC-SC Assembly	27.00	25.65
29-008	3M SC-SC Assembly	29.00	27.55
29-009	5M SC-SC Assembly	31.00	29.45
29-010	10M SC-SC Assembly	37.00	35.15



USB (Universal Serial Bus) Cables

➥ UL listed ➥ Beige color jacket

Cat. No.	Description	Each 1-4	5-9
502-610	USB A to A Cable 3'	$5.00	$4.75
502-611	USB A to A Cable 6'	6.00	5.70
502-612	USB A to A Cable 10'	7.50	7.13
502-613	USB A to B Cable 3'	5.00	4.75
502-614	USB A to B Cable 6'	6.00	5.70
502-615	USB A to B Cable 10'	7.50	7.13
502-616	USB A Plug to A Jack 3'	5.50	5.23
502-617	USB A Plug to A Jack 6'	7.00	6.65
502-618	USB B to B Cable 3'	5.00	4.75
502-619	USB B to B Cable 6'	6.00	5.70
502-620	USB B to B Cable 10'	7.50	7.13



ENHANCED C5

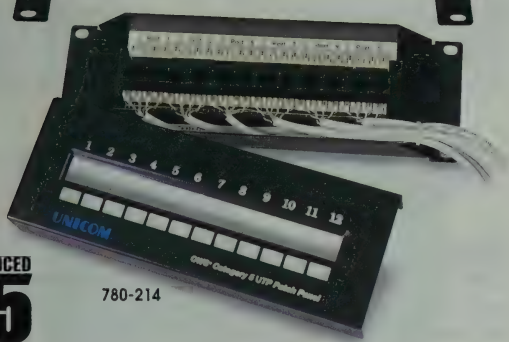
Category 5E Patch Panels

The all new Enhanced Category 5 Patch Panels from Unicom are designed to meet and exceed the EIA/TIA 568-B Category 5 Enhanced proposed standards.

Cat. No.	Ports	Rack Space	Rear Connector	Each 1-4	5-9
780-360	16	1	110 PDB	$76.00	$72.20
780-361	24	1	110 PDB	89.00	84.55
780-362	48	2	110 PDB	161.00	152.95
780-363	96	4	110 PDB	316.00	300.20



780-215



780-214

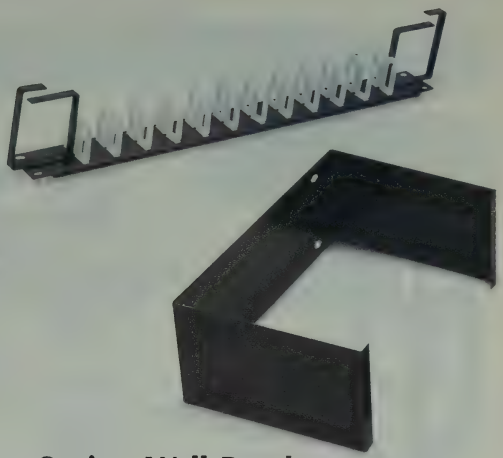
ENHANCED C5

Front Termination Patch Panels

➥ **Flush mount and wall mount**

Enhanced Category 5, T568B, 12 port wall mount 110 jack panels provide a professional solution for smaller installations and expansions of existing networks. These patch panels allow front termination of the 110 connections by removal of a front cover. Once the snap-on cover is re-installed, the termination area is protected and not visible. The cover can then be removed for additions and changes.

Cat. No.	Description	Each 1-4	5-9
780-214	Flush Mount Patch Panel	$78.00	$74.10
780-215	Wall Mount Patch Panel w/standoffs	80.00	76.00



Space Saving Wall Brackets

➥ **19" width fits most LAN equipment**
➥ **12" depth accommodates hubs**

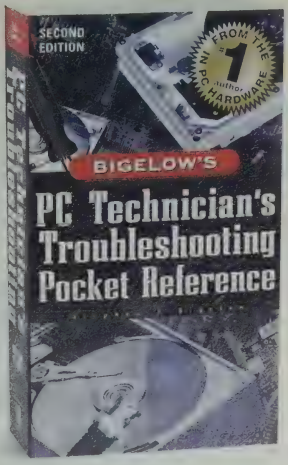
Space saving brackets are black zinc-plated 14-gauge steel drilled with universal 10-24 threaded screw holes. 12" depth will allow mounting of most hubs and repeaters and all patch panels. Perfect for installations where a floor standing rack is impractical. Hinged on one side for easy access to rear of equipment.

Wire Minder organizes path cords and distribution cables.

Cat. No.	Description	Size	Each 1-5	6-11
780-001	Wall Bracket	19 x 7 x 12"	$47.00	$42.30
780-002	Wall Bracket	19 x 12¼ x 12"	63.00	56.70
780-205	Wire Minder	–	31.00	27.40

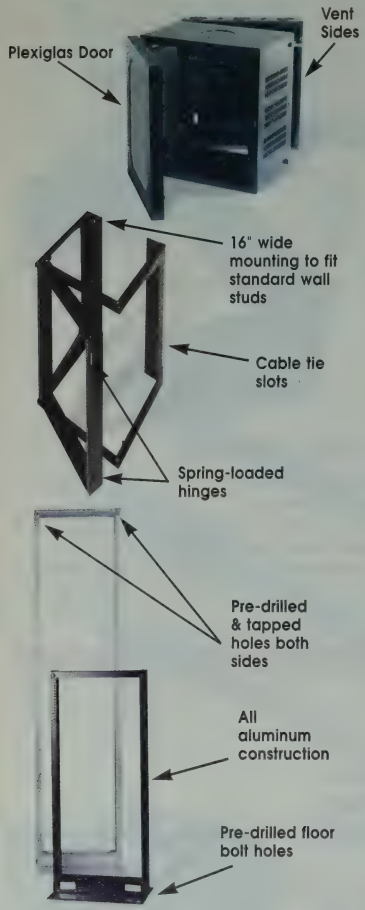
PC Technician's Troubleshooting Pocket Reference

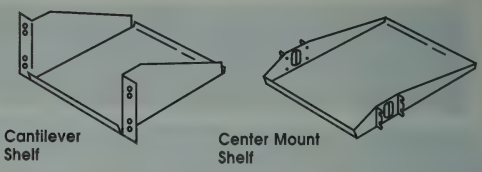
Get essential PC troubleshooting and diagnostic information from this handy pocket reference. Packed with code tables, commands, symptom summaries, solutions, and other key details, this easy access guide gives you the facts you need. The book covers virtually every major PC component, including drives, input devices, modems, motherboards, and peripherals. Troubleshoot floppy drives, hard drives, and CD-ROM/CDR/CD-RW drives as well as video systems. Diagnose motherboard problems-beep codes, POST codes, and CMOS setup/battery issues. This book is specifically designed for on-the-job use and is a necessity for PC repair and support/help desk technicians. 637 pages.



Cat. No.	Description	Each
960-010	PC Technician's Troubleshooting Pocket Reference	$19.95

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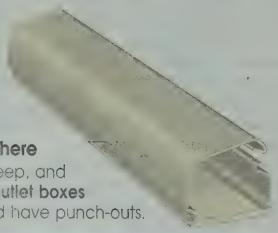
Equipment Racks

Constructed of aircraft quality aluminum and available in black or mill finishes.

Cat. No.	Description	Each 1-5	6-11
	Wall Mount Swing Out Racks, 12-24 Tapped Holes		
923-061	19" Swing Out Rack, 2' Tall, Black Finish, 100 lb. limit	$146.00	$131.40
923-006	19" Swing Out Rack, 3' Tall, Black Finish, 100 lb. limit	153.00	137.70
	Wall Mount Enclosure w/Plexiglas Door & Vented Sides		
923-014	19" Wall Mount Rack, 2' Tall, Black Finish, 125 lb. limit	482.00	433.80
	Floor Mounted 15" Base, 10-32 Tapped Holes		
885-100	19" Rack, 4' Tall, Black Finish	136.00	122.40
885-108	19" Rack, 7' Tall, Black Finish	170.00	153.00
923-971	19" Rack, 4' Tall, Mill Finish	127.00	114.30
923-978	19" Rack, 7' Tall, Mill Finish	159.00	143.10
885-050	Cantilever Shelf, Black, 14" depth, 50 lb. limit	48.00	43.20
923-191	Center-Mount Shelf, Black, 19" depth, 75 lb. limit	60.00	54.00
	Floor Mounted 15" Base, 12-24 Tapped Holes		
923-008	19" Rack, 4' Tall, Black Finish	135.00	121.50
923-007	19" Rack, 7' Tall, Black Finish	167.00	150.30
923-010	19" Rack, 4' Tall, Mill Finish	127.00	114.30
923-009	19" Rack, 7' Tall, Mill Finish	157.00	141.30
	19" Rack Accessories		
923-011	Cable Management Ring Panel, 1U (1.75")	32.00	28.80
923-012	Cable Management Ring Panel, 2U (3.5")	38.50	34.65
923-055	Cable Management Panel, 3 Hanger, 2U (3.5")	36.00	32.40
923-013	Open Vertical Organizer	63.50	57.15
923-038	Cantilever Shelf, Black, 14" depth, perforated, 50 lb. limit	59.00	53.10
923-035	Center-Mount Shelf, Black, 19" depth, perforated, 75 lb. limit	69.00	62.10
923-043	Sliding Keyboard Shelf w/Mouse Pad, 16.5" width	148.00	133.20
923-044	Sliding Keyboard Shelf, Tilt, no Mouse Pad, 16.5" width	129.00	116.10
923-901	Blank Panel, Black, 1.75"	9.50	8.55
923-019	6 Outlet Power Strip, 15' Cord	120.00	108.00
923-051	10 Outlet Power Strip, 15' Cord	160.00	144.00
923-050	10 Outlet Power Strip w/Surge Suppression	160.00	144.00
923-048	8 Outlet Power Strip (4 ea., front/back) for transformers	175.00	157.50

3M

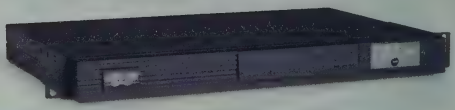
Wiring Ducts



- Self adhesive, mounts anywhere

[illegible] 3/4" wide and deep, and accommodates several cables. Outlet boxes fit any single gang face plate and have punch-outs. Available in ivory.

Cat. No.	Description	Each 1-5	6-11
251-570	Hinged Duct, 3/4" x 6', one piece	$12.00	$10.80
251-576	Inside Corners, 5/pk.	7.00	6.30
251-578	Elbows, 5/pk.	6.50	5.85
251-580	Tee Covers, 5/pk.	7.00	6.30
251-581	High Profile Outlet Box, 2 1/4"	9.00	8.10
251-[illegible]	Outside Corners, 5/pk.	7.00	6.30
251-582	ow Profile Outlet Box, 1 1/4"	9.00	8.10
251-[illegible]	oint Covers, 5/pk.	7.00	6.30



TRIPP LITE POWER PROTECTION

SmartPro 450 Rack-Tower UPS System

- 19" standard rackmount (1 rack space)
- Complete surge protection & EMI/RFI noise filtering

Provides intelligent, line interactive battery backup for networks, servers, and hubs/routers/switches. Innovative design makes it adaptable for rackmount, wall-mount, under-monitor, and tower applications. Provides 450 VA (270 watts) of battery backup and allows you to work through short blackouts of up to 20 minutes or safely shut down during longer ones. The unit has 5 AVR (automatic voltage regulation) protected outlets (4 UPS & surge + 1 surge-only outlets), diagnostic LED's that indicate 17 performance conditions and a built-in serial port that works with PowerAlert Software to provide automatic unattended shutdown. 6 ft. cord.

Cat. No.	Description	Each
205-054	SmartPro 450 Rack-Tower UPS System	$299.00



GREENLEE

F-Style Coax Connector Insertion Tool

Installing F style connectors, in CATV applications is now easier. This insertion tool gives the installer a method of holding the connector, while seating it properly on the cable. The ratcheting mechanism provides ample torque without straining your wrist. The F bit can be removed so that the tool can accommodate standard screwdriver bits.

Cat. No.	Description	Each
64-025	F-Style Coax Connector Insertion Tool	$16.95



IDEAL

F Connector Installation/Removal Tool

Heavy-duty construction assures a lifetime of service. The tool is designed to aid installation and removal of cables terminating with F connectors. Save your fingers from injury while accessing hard-to-reach connectors. Head of tool is 1/16" thick hexagonal with slot for cable. 3" long blade. Includes thread cleaner. Lifetime manufacturer warranty.

Cat. No.	Description	Each
600-143	F Connector Installation/Removal Tool	$18.95



SES com

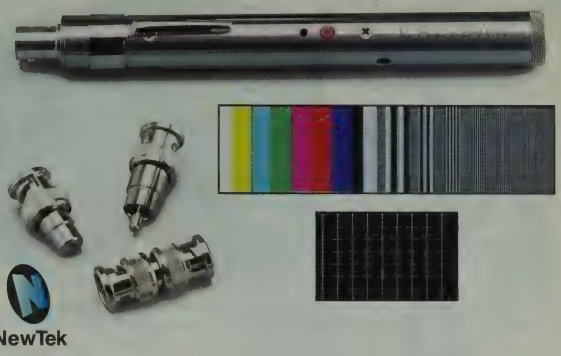
Audio-Video Patch Cord Testers

Housed in a durable metal box, tester checks continuity of a wide variety of audio and video cables used in broadcasting industries. Powered by AA batteries included.

	XLR	1/4"	3.5mm	RJ11	Svideo	BNC	F	RCA	T-T	Midi
CT-7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Cat. No.	Mfr. No./Description	Size	Each
111-007	CT-7 Audio-Video Cable Tester	7 x 3 3/4 x 2 1/2"	$240.00

For replacement batteries, see page 311



NewTek

Calibar NTSC Test Signal Generator

➥ **Test & calibrate video equipment**

A fast, easy and portable way to calibrate video equipment. Calibar is about the size of a fountain pen but has 24 test pattern functions and black burst generator – as many as most rack systems. With a 10 bit 4Fsc precision digital-to-analog conversion, you get highly accurate test patterns. Operates on AC included, or 6V battery not included. By simply touching the button, it generates SMPTE color bars with PLUGE; touch again to calibrate convergence and so on. Includes AC power adapter, three BNC adapters, Calibar glasses (to calibrate video monitors), and operating instructions. Under 3 oz.

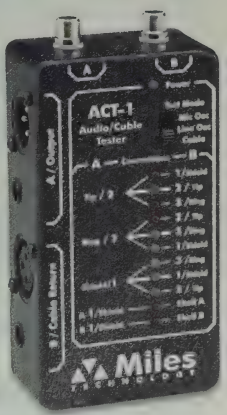
Cat. No.	Description	Each
61-001	Calibar NTSC Test Signal Generator	$349.00

Miles TECHNOLOGY

ACT-1 Audio/Cable Tester

➥ **Tests all cables with XLR, RCA, or phone connectors**

➥ **Can test cables from just one end**



ACT-1 Audio/Cable tester provides an immediate and complete indication of the wiring status of any audio cable. With the flip of a switch, the unit provides a 500Hz test tone at either microphone or line level, to allow the checking of any signal path through an audio system, or to adjust and calibrate levels. The LED display and its graphic depiction show exactly how each connector contact at one end of the cable is wired to the contacts at the other end. Any short or open is immediately evident and any connector pins left open or cross wired can be identified or verified. Extended or installed cables can be tested from just one end with the **DT-1 Diode Terminator** and the **PC-1 Patch Cable**. Requires 9V battery sold separately.

Cat No.	Mfr. No./Description	Each
81-001	ACT-1 Audio/Cable Tester	$119.00
81-002	DT-1 Diode Terminator	22.00
81-003	PC-1 Patch Cable	22.00
473-005	9V Alkaline Battery (1 required)	3.15

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

PocketToner 2



- Designed for CATV, Telco, LAN, and low-voltage Security Industries
- No need for multiple tools

A cable termination-testing device with one port for the cable lead and an audible sounder for tone verification. It also contains an LED light indicating DC shorts, cable splitters, and other self-grounding devices. Technicians can test circuit integrity in new or installed cable runs with an audible tone that identifies the line carrying the signal. Female thread connection allows for quick removal of male F connectors and easy change-out of multiple adapters.

Cat. No	Description	Each 1-4	5-9
454-002	PocketToner 2 Kit	$72.95	$69.30
454-003	PocketToner 2	29.95	28.45
454-004	RJ-45 Adapter	10.50	9.98

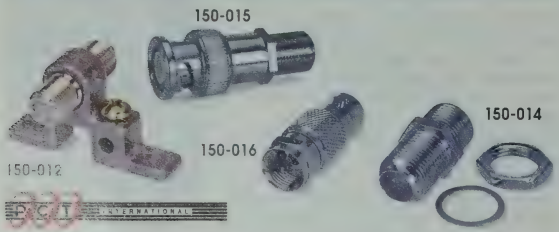
LanMaster Combo Kit



- Quick continuity test on CAT5 lines

A cable termination-testing device with one port for the cable lead and an audible sounder for tone verification. It also contains an LED light indicating DC shorts. Kit is complete with PocketToner2, (2) RJ-45s, Alligator Clip, BNC Adapters, and 66 Block Check to test LAN installations. The RJ-45 mod-connectors are configured with a USOC 10-BaseT system which can be utilized in 568A and 568B modes as well. Technicians can test circuit integrity in new or installed cable runs (including patch panel) with an audible tone that identifies the line carrying the signal.

Cat. No.	Description	Each
454-005	LanMaster Combo Kit	$85.50



Adapters & Installation Accessories

The [illegible] grounding block consists of a zinc body with a bright acid, tin plated machined brass barrel to offer a high return loss.

Cat No.	Description	Each 1-10	11+
150-012	Single Grounding Block	$1.50	$1.46
150-016	Splice Adapter F/F w/Nut & Washer	.75	.73
150-015	BNC M to "F" F Adapter	1.95	1.89
150-014	BNC F to "F"M Adapter	1.95	1.89

tpi 31-Piece Coax Adapter Kit



- Make any adapter you need
- Tested to 1GHz
- High content silver and gold plating

RG-58 cable not included

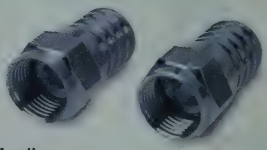
Cat. No.	Description	Each
701-300	Coax Adapter Kit, 31 pc.	$170.00
701-048	RG-58 Cable, 4', accepts adapters both ends	18.00
701-320	Adapter Connector, connects any two adapters	6.00



SARGENT RG-59/6 Ratcheting Crimp Tool

Full cycle ratcheting crimp tool for CATV applications. Crimps RG-6 to a .360 hex and RG-59 to a .324 hex. Easy to carry and no removable dies to worry about. (USA)

Cat. No.	Description	Each 1-4	5-9
685-002	RG-59/6 Ratcheting Crimp Tool	$52.00	$49.40



PCT INTERNATIONAL F Connectors

- Compliant with SCTE specifications
- Universal fit for Standard/Tri/Quad Shield Cables

F connectors have attached crimp ring which provides electrical shielding and mechanical retention. The ring is annealed for a reliable crimp with no fracturing. They are made of machined brass with bright acid tin plating for maximum resistance to corrosion. Includes a wide hex nut for ease of tightening. **Weather Sealed** version includes o-ring and silicone gel, ideal for outdoor applications.

Cat. No.	Description	Each
150-008	RG-59 F Connector, 100 pk.	$20.00
150-009	RG-59 F Connector w/Weather Seal, 100 pk.	34.00
150-010	RG-6 F Connector, 100 pk.	20.00
150-011	RG-6 F Connector w/Weather Seal, 100 pk.	34.00



PROGRESSIVE ELECTRONICS

CATV Tone Test Kit

- For CATV, video technicians
- Trace and ID CATV Cables
- Tones through splitters

Designed for technicians installing and maintaining CATV and CCTV cabling. Identifies unidentified or mis-tagged drops. Transmitter injects tone onto any coax terminated with an F connector or use the adapter to connect to distribution cables or twisted pairs: sends signal through splitters, traps, and directional couplers. Indicates continuity and presence of voltage on the line. Receiver can pick up the tone on terminated and unterminated or shorted cables, a direct connection is required in the presence of passive devices. Kit includes tone generator, tracer, F-to-F cable, F-to-alligator clips cable and case. Requires two 9V batteries sold separately.

Cat. No.	Mfr. No./Description	Each
565-402	402K CATV Tone Test Kit	$144.25
473-005	9V Alkaline Battery	3.15



BIDDLE INSTRUMENTS

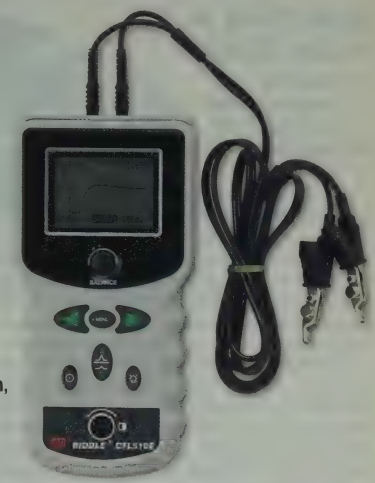
General Purpose TDR

- Dual input and output ports
- 15 memories

An advanced TDR for identifying cable faults. Use it on telephony cables and graphically view any faults or line activity such as opens, shorts, taps, branches, load coils, transformers, capacitor networks, splices, water saturations and crosstalk in a range up to 48,000' (16km). It is completely adjustable, so even minor faults far out on the cable can be identified. With dual ports and 15 trace memories, you can perform comparative tests. RS232 port and included software lets you print or download your trace memories. Includes case, test leads, manual and six AA batteries. 9.8 x 7.9 x 4.3", 3.3 lbs.

Cat. No.	Mfr. No./Description	Each
293-535	CFL535E TDR	$2750.00

For replacement batteries, see page 311



BIDDLE INSTRUMENTS

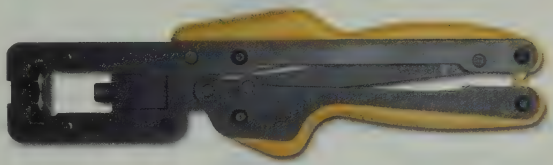
Handheld TDR

- Perfect for Telecom, CATV, wireless and power cables
- Large easy-to-see display

This battery powered, handheld TDR can identify many types of faults on any cable consisting of at least two insulated metallic conductors. It has internal matching networks of 25, 50, 75 and 100 Ohms. The balance and velocity of propagation controls allow you to closely match any cable. It has a measurement range of 30 to 9000' with resolution of four inches. The unit autoranges around the cursor giving the best view of the fault. The large back lit display is easy to read. Includes case, leads, manual and 6 AA batteries. 9 x 4.5 x 1.9", 1.3 lbs.

Cat. No.	Mfr. No./Description	Each
293-501	510E TDR	$1450.00

For replacement batteries, see page 311



SARGENT

Uni-Seal Drop Tool

- Works with Thomas & Betts, Gilbert, PPC and Antec/Digicon

A universal tool for RG6 and RG59 male F environmental compression connectors produced by Thomas & Betts, Gilbert, PPC, Antec/Digicon and others. The tool incorporates high mechanical advantage to reduce compression force during connector installation and an ergonomic design minimizes user fatigue. A toggle action is used to assure complete connector sealing which eliminates the need for a complicated ratchet mechanism and the cable positioner provides 360° connector support during compression. This eliminates faulty compressions such as tight nuts, bent connectors or popped o-rings.

Cat. No.	Description	Each
685-015	Uni-Seal Drop Tool	$62.50

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Tone Plug & Noise Plug



- Extremely compact audio test equipment
- No batteries required

The **TONE PLUG** is an 11 function, audio system test generator. It produces five sine wave tests signals at 100, 250, 400, 1K and 10Khz. It also includes six additional special function tests consisting of: VLF sub-woofer test, multi-frequency pulse, amplitude sweep tone, trace tone, auto frequency stepping and phantom power indication. Extremely useful for troubleshooting, analysis and calibration of audio systems and components.

The **NOISE PLUG** is a complete precision pink noise generator. It consists of an ultra wideband, avalanche junction white noise source. The output is frequency limited, amplified and passed through a precision -3dB per octave low pass filter resulting in a full audio spectrum noise source with equal energy distribution in all octaves. Ideal for checking over all audio system operations, adjusting speaker crossover points and balance, checking frequency response of amps, tape decks and other audio components, and adjusting system equalization.

Cat No.	Description	Each
193-001	Tone Plug	$49.95
193-002	Noise Plug	49.95



Thomas&Betts

Snap-N-Seal® Installation Tool & Environmentally Sealed Connectors



- Minimizes signal leakage
- Perfect for outdoor & indoor applications

Snap-N-Seal® connectors are environmentally sealed to protect cable from harsh environments. Through a unique 360° compression grounding, Snap-N-Seal® connectors also offers signal leakage protection required for today's demanding systems. The IT1000 includes a built in stripper to prepare the cable and the crimper to properly install the connectors.

Cat. No.	Description	Each
468-[illegible]	IT1000 Crimp/Strip Tool	$68.95
468-[illegible]	RG6 Snap-N-Seal® "F" Connectors, 50/pk.	34.00
468-[illegible]	RG6QS Snap-N-Seal® "F" Connectors, 50/pk.	34.00
468-[illegible]	RG59 Snap-N-Seal® "F" Connectors, 50/pk.	34.00

Handheld Digital Signal Level Meter



- Autoranging attenuator
- Backlit LCD graphic display
- FM demodulator provides audio output

The ST5128 uses RF signal processing techniques and microprocessor technology to produce quick and accurate signal measurements. The meter provides the user the choice of viewing individual channel power readings, a single channel spectrum, a multiple channel spectrum, or an all channel spectrum. Automatic internal calibration corrects for measurement variations due to frequency response, temperature changes, and internal attenuator settings. The combination of keypad tuning and menu driven displays allow for simple operation to get needed signal measurements. The meter is programmed with both USA CATV and VHF/UHF NTSC standard formats. Specific frequencies for signal testing can be user selected. Includes rechargeable batteries and AC charger.

Cat. No.	Description	Each
200-001	Digital Signal Level Meter	$895.00

Frequency Range	46MHz to 860MHz
Frequency Stability	<30 ppm
Frequency Accuracy	15kHz
Tuning Increment	10kHz
I.F. Bandwidth	300kHz
Input Range	-40dBmV to +60dBmV
Input Impedance	75 ohms

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MANUFACTURED IN U.S.A. SINCE 1961

ZM1 Impedance Meter w/ Calculated Watts



- Useful to every sound contractor or installer

The ZM1 measures the impedance of both loudspeakers and entire distributed loudspeaker systems, as well as individual components (resistors, capacitors, inductors). It will make measurements on 25, 50, 70, or 100 volt line systems. Sine waves are generated at 100Hz, 330Hz, 1KHz, or 10KHz to read impedance or calculated Watts. A switch allows selection of either the 200, 2K, or 20K ohm range for greater accuracy. The readout is a digital LCD display with battery low indicator, the user has the choice of reading impedance in Ohms or the calculated Watts that the system should produce to insure that any distributed system is properly wired and presenting the correct impedance to the amplifiers.

Cat. No.	Description	Each
348-001	ZM1 Impedance Meter w/ Calculated Watts	$379.95

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DARKSTAR TECHNOLOGIES

D202 Home Installer Tester



➥ Verifies continuity of Telco pairs, Ethernet pairs and TV coax

The D202 is a pocket-sized tester that can check the continuity of your telephone, network and cable TV cables. Simply insert an RJ11, RJ45, or coax with F connector and the LED's will immediately indicate whether you have a good cable or not. The unit will test for opens, shorts and reverses for multipair cables, and continuity only for coax. The remote allows for testing of installed cables. This is an ideal product for the home network installer. Both Master and Remote units are only 2.3 x 2.4 x 1.0" in size. Operates on a 9V battery (included).

Cat. No.	Description	Each
567-100	D202 Home Installer Tester	$79.00





GOLD LINE
MANUFACTURED IN U.S.A. SINCE 1961

APT-2 Absolute Polarity/Phase Analyzer

State of the art signal processing accurately determines absolute polarity, which is unimpaired by passive crossovers or signal waveform distortions produced by the device under test. Works on tweeters, mid-ranges, woofers, subwoofer speakers and cabinets, plus equalizers, amplifiers and crossovers. An entire speaker system can be checked in only seconds. To check acoustical or electrical phasing, the generator is connected to the input device under test. The detector is utilized to pick up the output signal, while the analyzer section processes the information and decides whether the device under test reverses signal phase or not. The results are displayed via two LEDs: (+) indicates In Phase and (-) indicates Out of Phase.

Cat. No.	Description	Each
348-002	APT-2 Absolute Polarity/Phase Analyzer	$284.00

DARKSTAR TECHNOLOGIES

CATV Cable Tester



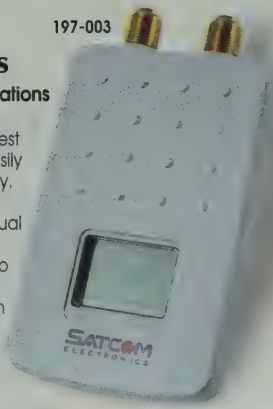
➥ Detects a Live Cable

When connecting the D230 to a coax cable, it first checks to see if the cable is "live" by looking for an RF signal on channel 3. If a signal is seen, the Live Cable led will light and no further tests will be performed. If the cable is "open" and no terminators are seen, then the Open Cable led will light. It will also inject a tone on the cable which can easily be detected by any inductive amplifier. This will help assist in finding any unlabeled cables you may have. If the cable or one of the F connectors is shorted, then the Shorted Cable led will light. If 75 Ohm terminators are being used on the line, they can be tested by simply screwing one into the D230. If they are within 5% of 75 Ohms, then the 75 Terminator led will light. 4.5 x 2.3 x 1.0". Operates on 9V battery, (included).

Cat. No.	Description	Each
567-230	CATV Cable Tester	$99.00

Digital Satellite Seekers

197-003



➥ For all DBS/TVRO applications

Connects to any satellite antenna and finds the strongest satellite signal quickly and easily with no adjustments necessary. Features an easy-to-read numerical LCD display and dual high and low readings. Input frequency range is 900 MHz to 2000 MHz, maximum voltage input is +30 VDC, and resolution is 1/10 dB. **197-007** displays lock when the correct satellite is located. Compact size of 2.25 x 3.75 x .5" fits easily in shirt pocket.

Cat. No.	Description	Each
197-003	Digital Satellite Seeker	$59.95
197-007	Intelligent Digital Satellite Seeker	99.95

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-316
Fax Lines: 800-366-9662 • 602-438-169

RF 3200
Field Strength Analyzer

- **Portable and powerful**
- **Menu driven ease of use**

A powerful tool for telecommunications, cable TV, satellite and radio industries. Receives and measures signals of wide and narrow band FM, AM, and single side-band. Frequency range is 100kHz to 2060MHz. Measures frequency, displays spectrum of signal, measures level of signal in dBm and dBu. Displays single channel, multi-channel and two channel difference. Scans channels and will output audio through built-in speaker. 50Ω input, BNC connector or detachable antenna. Its backlit LCD screen offers graphical output and access to the set-up and measuring menus. RS-232 output with PC software, cable, and six AA batteries included. 9 x 4 x 1 3/4", 1.4 lbs.



Frequency Range	100kHz to 2060MHz
Frequency Step	5kHz to 6MHz in multiples of 5kHz and 6.25kHz
Frequency Accuracy	± 25 ppm
Max Input Voltage	5Vrms
Level Measurement Range	-10dBm to 40dBm ±0.5dBμ
Frequency Counter Bandwidth	9MHz to 2060MHz resolution to 1kHz
Input Sensitivity	9MHz to 2060MHz = 120mV 50MHz to 1500MHz = 50mV 2MHz to 2800MHz = 500mV

Cat. No.	Mfr. No./Description	Each
338-005	RF 3200 Field Strength Analyzer	$2100.00
338-006	Carry Case for RF3200	41.00
338-007	RS-232C Cable/RF3200	25.00
338-008	Detachable Antenna for	29.00
338-009	75-50Ω Matching Pad	199.00
338-010	20dB Attenuators	200.00
338-011	40dB Attenuators	200.00
338-012	Type F to BNC Adapter	33.00

For replacement batteries, see page 311



258-004 258-005

BIRD

THRULINE®
RF Directional Wattmeters

- **The industry standard in wattmeters**
- **NEW average-reading model for digital RF systems**

Model 43 Thruline Wattmeter accurately measures forward or reflected power in coaxial transmission lines under any load condition. High-precision wattmeter inserts between the transmitter and load. Plug in elements (sold separately) determine the power rating and frequency range. Rotate element to read forward or reflected power. Shock-mounted meter with 25, 50 and 100 scales, permits full-scale power reading from 100mW to 10,000W with appropriate element installed. Type-N connectors. Frequency range 450Khz - 2.7Ghz with appropriate element installed. Elements sold separately below.

Model APM-16 Average-Reading Wattmeter is designed for measuring digital and complex waveforms used in PCS, cellular and other digitally-encoded services. Enables precise average power readings for both digital and analog systems. Frequency range 2Mhz - 2.3Ghz, power range <1W to 1000W with appropriate element installed. Elements sold separately below.

Cat. No.	Mfr. No./Description	Frequency Range	Watts	Each
258-004	43 Thruline Wattmeter	N/A	N/A	$283.00
258-006	CC1 Carry Case	N/A	N/A	47.50
258-007	50C Element for 258-004	100-250Mhz	50	73.00
258-008	25D Element for 258-004	200-500Mhz	25	73.00
258-009	50D Element for 258-004	200-500Mhz	50	73.00
258-010	5E Element for 258-004	400-1000Mhz	5	73.00
258-011	10E Element for 258-004	400-1000Mhz	10	73.00
258-012	25E Element for 258-004	400-1000Mhz	25	73.00
258-013	50E Element for 258-004	400-1000Mhz	50	73.00

Cat. No.	Mfr. No./Description	Frequency Range	Watts	Each
258-005	APM-16 Avg.-Reading Wattmeter	N/A	N/A	$799.00
258-006	CC1 Carry Case	N/A	N/A	47.50
258-014	APM-5E Element for 258-005	400-1000Mhz	5	226.00
258-015	APM-10E Element for 258-005	400-1000Mhz	10	226.00
258-016	APM-50E Element for 258-005	400-1000Mhz	50	226.00
258-017	APM-1L Element for 258-005	1.7-2.2Ghz	1	226.00
258-018	APM-2.5L Element for 258-005	1.7-2.2Ghz	2.5	226.00
258-019	APM-5L Element for 258-005	1.7-2.2Ghz	5	226.00
258-020	APM-10L Element for 258-005	1.7-2.2Ghz	10	226.00

Other elements not listed above are available by special order. Call Jensen's 24 Hour/7 Day FaxBack, 602-453-2671 for complete specifications and available elements. Request document #258004.

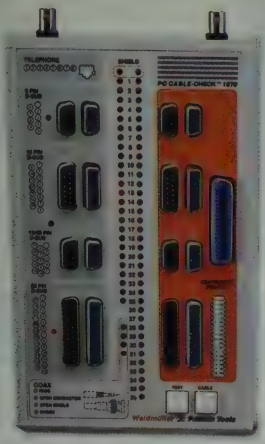
TELEWAVE, INC.

RF Watt Meter

- **25-1000MHz or2-200MHz**
- **5, 15, 50, 150,500W ranges**
- **Forward and reflected power**
- **±5% accuracy**



Cat. No.	Description	Each
781-044	Low Frequency RF Watt Meter 2-200MHz	$563.00
781-444	Broadband RF Watt Meter 25-1000MHz	563.00
781-600	60W Dry Dummy Load	92.00
781-445	Carrying Case for Meter and Load	81.00



Paladin Tools®
PC Cable Checker

- **Portable, battery-powered convenience**
- **Quickly troubleshoot computer cables**

Tests and checks the pin-outs of a wide variety of cables used in Intel-based computers. Checker sequences wire-by-wire, showing exactly how cable is wired. Quickly determines whether a cable is good, or how it is wired for duplication. Powered by one 9V battery included.

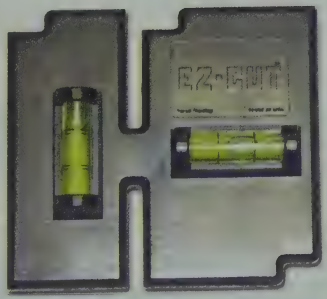
Connector	PC Cable Checker
DB-9, 15, 25	✓
VGA 15	✓
Centronix 36	✓
USB	✓
BNC coax	✓
RJ-11/RJ-45	✓
HDI-30 (PowerBook)	✓

Cat. No.	Mfr. No./Description	Each
497-300	1570 PC Cable Checker	$165.00

For replacement batteries, see page 311

Professional Level and Template Tool

Quick and accurate installation of electrical boxes for telephone, LAN, electrical circuits, television or other wire cable applications. Use as template for single and dual gang electrical boxes. Built-in levels for both configurations.



Cat. No.	Description	Each 1-5	6-11
223-001	Level and Template Tool	$12.95	$11.65



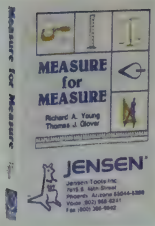
UNICOM
Category 5E Bulk Cable

- **Manageable 100 meter roll**
- **Ideal for small jobs & home network installs**

FASTRAK350 Cat5E cable is a 350 MHz wiring solution designed for Gigabit Ethernet and high-speed applications. It provides Power Sum performance for any combination of transmission schemes. With a minimum of 3dB headroom, it meets and exceeds EIA/TIA 568 Cat5E standards. Cable is footage marked in descending lengths for easy identification of remaining cable. Color is blue only.

Cat. No.	Description	Each
780-421	Category 5E Bulk Cable	$39.95

Measure for Measure Book of Conversions

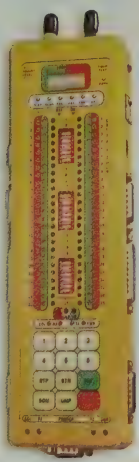


- **One source for all conversion factors**

For engineers, scientists, teachers, students, maintenance, construction and industrial workers. Over 39,000 conversions for 5100+ units. Convenient size (4 x 6 x 1") and durable cover make it easy to take along. Provides a lifetime of service. 864 pages.

Cat. No.	Description	Each
396-001	Measure for Measure	$14.95

CableMaster 1000 Cable Tester



- **Takes the place of six testers**
- **Stores cable configurations**

A compact cable tester which combines the functions of six testers in one. Tests the pin-out of DB-9, 15, and 25 cables, RJ-45 cables, and ST fiber optic cables. It has built-in intelligence for comparing common PC cables and room for three user-defined cable configurations. The fiber tester has a power bar graph for testing patch cords. It includes a full 100 LED breakout box and can monitor, via its DB-15 port, the activity of Ethernet networks. Complete with four 9V batteries and nylon case with 3' multi-gender cables. 3.5 x 2.5 x 11", 2.9 lbs.

Accessory Kit includes nylon carrying case, 3' dual gender DB-25 25-conductor cable, 3' dual gender DB-15 15-conductor cable, 3' straight through UTP cable with RJ-45 connectors, 3' fiber optic reference cable, 62.5/125um, with ST connectors, breakout box jumpers, and user manual.

Cat. No.	Description	Each
415-001	CableMaster 1000 Cable Tester	$695.00
415-002	Accessory Kit	295.00

For replacement batteries, see page 311

JENSEN TOOLS INC
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Fax Lines: 800-366-9662 • 602-438-1690



Bulk Cables

Jensen offers you quality cable for many installations. All of our cables are UL and CSA approved. Color may vary.

Belden



Unshielded Twisted Pair, Solid Conductor

Cat. No.	Description	Cost per 1000' roll 1-2	3-
Category 5 *(100MHz), 2 & 4 Pair, 24 Gauge, Solid Conductor, PVC, NEC Class 2*			
755-158	Belden 1588A, 2 Pair, Gray	$90.00	$82.8
755-153	Belden 1583A, 4 Pair, Gray	117.00	107.6
Category 5 *(100MHz), 4 Pair, 24 Gauge, Solid Conductor, Plenum, NEC Class 2P*			
755-155	Belden 1585A, 4 Pair, Natural	268.00	246.5



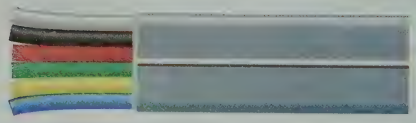
Unshielded Twisted Pair, Stranded Conductor

Cat. No.	Description	Cost per 1000' roll 1-2	3-9
Category 5 *(100MHz), 4 Pairs, 24 Gauge, Stranded Conductor, PVC Jacket, NEC Class 2*			
780-540		$140.00	$128.80



Unshielded Twisted Pair Cable

Cat. No.	Description	Cost per 1000' roll 1-2	3-9
502-205	Category 5, 100 Mhz Stranded Conductor, 4 Pair, PVC	$127.00	$116.84
502-206	Category 5, 100 Mhz Solid Conductor, 4 Pair, PVC	105.00	96.60
502-207	Category 5, 100 Mhz Solid Conductor, 2 Pair, PVC	94.00	86.48



Flat Satin Line Cord

Perfect for wiring telephones, terminals, and other low speed devices. UL and CSA tested.

Cost per 500' roll				Level/		Cost per 1000' roll	
Cat. No.	1-4	5-9	Description	Cat	Cat. No.	1-4	5-9
966-428	$35.50	$32.66	4 Cond, 26 Ga. Stranded	2	502-520	$68.00	$62.56
966-628	57.00	50.83	6 Cond, 26 Ga. Stranded	2	502-522	108.00	99.36
966-800	75.00	64.40	8 Cond, 26 Ga. Stranded	2	502-524	142.00	130.64

Belden



Coax Cable

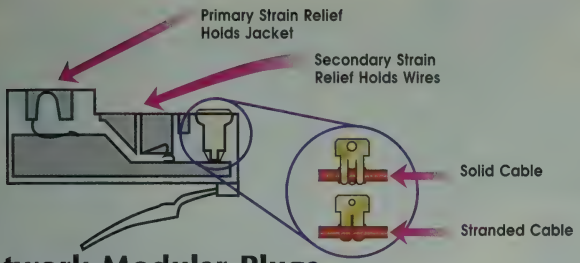
Cat. No.	Description	Cost per 1000' roll 1-2	3-9
755-365	Belden 8241, RG-59 PVC, 75Ω, Black	$182.00	$167.44
755-375	Belden 9114, RG-6 PVC, 75Ω, Black	100.00	92.00

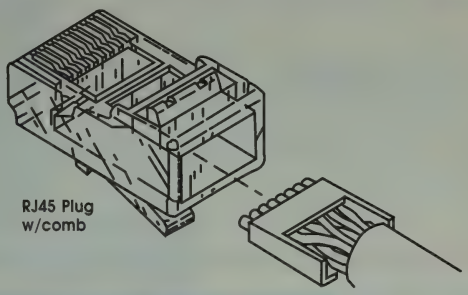
Belden



Ethernet Coax Cable

Cat. No.	Description	Cost per 1000' roll 1-2	3-9
RG-58u PVC, NEC Class 2, 20 Gauge Solid Conductor, 53.0Ω 0.195" dia.			
755-920	Belden 9201, Black	$150.00	$138.00





Network Modular Plugs

Note: Read Tool Tip below regarding AMP plugs and plugs w/combs.

Cat. No.	Description	Qty	Each
	Plugs for round solid unshielded twisted pair cable		
80-681	RJ-45 AMP Plugs (USA)	100	$67.00
80-040	RJ-45 AMP Plugs w/Comb (USA)	100	70.00
502-580	RJ-45 Plugs	50	19.00
	Plugs for round stranded unshielded twisted pair cable		
80-686	RJ-45 AMP Plugs (USA)	100	$65.00
80-060	RJ-45 AMP Plugs w/Comb (USA)	100	66.00
502-588	RJ-45 Plugs	50	19.00
502-002	RJ-45 Plugs w/Comb	50	55.00
	Plugs for round solid shielded twisted pair cable		
80-050	RJ-45 AMP Shielded Plugs (USA)	100	$152.00
502-810	RJ-45 Shielded Plugs	50	80.00


RJ-45


RJ-11

Telephone Modular Plugs

Cat. No.	Description	Qty	Each
	Plugs for flat satin cable		
80-337	RJ-22 AMP Handset Plugs (USA)	100	$22.00
966-344	RJ-22 Handset Plugs	100	15.00
80-631	RJ-11 AMP Four Contact Plugs (USA)	100	22.00
966-346	RJ-11 Four Contact Plugs	100	15.00
80-675	RJ-11 AMP Six Contact Plugs (USA)	100	22.50
966-366	RJ-11 Six Contact Plugs	100	18.00
80-995	RJ-45 AMP Plugs (USA)	100	65.00
966-388	RJ-45 Plugs	50	19.00
80-680	RJ-11 AMP MMJ DEC Plugs (USA)	100	51.00
178-555	RJ-11 MMJ DEC Plugs	100	22.50
	Plugs for solid round cable		
80-688	RJ-11 AMP Four Contact Plugs (USA)	100	$29.00
502-064	RJ-11 Four Contact Plugs	100	17.00
80-689	RJ-11 AMP Six Contact Plugs (USA)	100	26.00
502-066	RJ-11 Six Contact Plugs	100	19.00


RJ-11 DECconnect


Handset RJ-22

Snagless Boots for RJ-45 Plugs



Color code your RJ-45 cables with these strain relief snagless boots. Prevents kinking at the plug and provides coverage of the latch making it easy to pull the cable without snags.

Cat. No.	Description	Each
502-040RD	Red Boot	$.45
502-040GR	Green Boot	.45
502-040BL	Blue Boot	.45
502-040WH	White Boot	.45
502-040BK	Black Boot	.45
502-040YL	Yellow Boot	.45

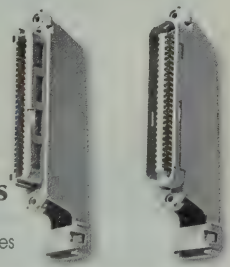
Tool Tip

RJ-45 Plugs w/Comb

RJ-45 plugs with a comb are intended for CAT 5 applications. The comb aids in keeping a maximum distance of 1/2" from the last twist, the most allowed to achieve Category 5 performance. This helps insure that the expert or novice installer has terminated a proper plug. The crimp tools needed for these plugs must only crimp the primary strain relief.

AMP plugs w/comb must be crimped with AMP frame 80-020 and die 80-007. Standard AMP RJ-45 plugs must be used with a die designed to crimp AMP plugs. Go to our Crimp Tool section starting on page 166 and carefully read the descriptions.

AMP® Champ 25-Pair Telephone Connectors



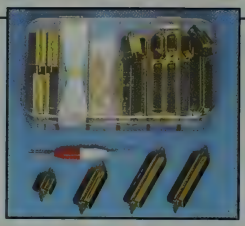
Champ insulation displacement provides low-cost and easy termination of unstripped cable. Copper alloy contacts with 30 micro-inches of gold. For installation tool, see page 160.

Cat. No.	Description	Price
80-073	50 Position Plug	$6.95
80-063	50 Position Receptacle	6.95

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Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

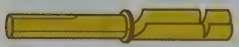
D-Subminiature Connector Kits

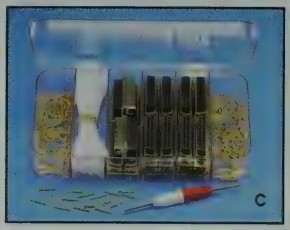
Jensen connector kits offer you an easy solution to building D-subminiature connectors for RS-232 and other interfaces. You can order one part number and receive everything you need to build several connections.






Kit A


Kits B & C



D-Subminiature Kits

23-249 RS-449 Kit with Stamped Pins (B)		$72.00
100 Pins, Male 100 Pins, Female 6 ea.: DB-9, DB-25, DB-37 Plugs M	Cable Ties Metal Tip Pin Inserter/Extractor 3 ea.: DB-9, DB-25, DB-37 Plugs F	

23-232 RS-232 Kit with Stamped Pins (C)		$65.00
100 Pins, Male 100 Pins, Female 16 DB-25 Plugs M 6 DB-25 Plugs F	Cable Ties Metal Tip Pin Inserter/Extractor	

Mil-Spec Kits

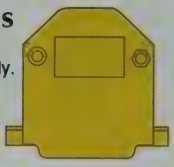
A

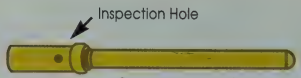
80-232 RS-232 Kit (A)		$143.00
100 Pins, Male 100 Pins, Female 12 DB-25 Plugs M 6 DB-25 Plugs F	Cable Ties Metal Tip Pin Inserter/Extractor Metal Case 12 Hoods	

80-249 RS-449 Kit (A)		$175.00
100 Pins, Male 100 Pins, Female 6 ea.: DB-9, DB-25, DB-37 Plugs M 3 ea.: DB-9, DB-25, DB-37 Plugs F	Cable Ties Metal Tip Pin Inserter/Extractor Metal Case 6 Hoods ea. size	

D-Subminiature Connectors

Pins and connectors are designed to fit together. Order from the corresponding section only.



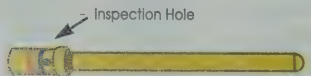


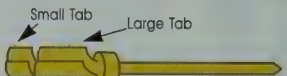
Connector Covers/Hoods

Cat. No.	Description	Each 1-4	5-11
80-135	Plastic Hood DB-9	$3.00	$2.40
80-531	Plastic Hood DB-25	2.95	2.36
80-133	Plastic Hood DB-37	3.50	2.80
502-009	Metal Hood DB-9	3.00	2.40
502-025	Metal Hood DB-25	3.00	2.40
502-037	Metal Hood DB-37	3.50	2.80
80-199	Male Screwlocks	.75	.60
80-528	Female Screwlocks	1.75	1.40

Crimp Pins and Connectors

Cat. No.	Description	Each 1-4	5-11
378-952	Machined Pins, M, 100/pk.	$17.95	$14.36
378-953	Machined Pins, F, 100/pk.	29.95	23.96
378-006	DB-9 Plug M	1.95	1.56
378-005	DB-9 Plug F	1.75	1.40
378-008	DB-25 Plug M	2.50	2.00
378-007	DB-25 Plug F	2.00	1.60
378-002	DB-37 Plug M	2.50	2.00
378-001	DB-37 Plug F	2.50	2.00





Crimp Pins and Connectors

Cat. No.	Description	Each 1-4	5-11
80-489	Mil-Spec Pins, M, 100/pk.	$18.00	$14.40
80-480	Mil-Spec Pins, F, 100/pk.	26.00	20.80
80-539	DB-9 Plug M	1.75	1.40
80-540	DB-9 Plug F	1.75	1.40
80-538	DB-25 Plug M	2.25	1.80
80-537	DB-25 Plug F	2.00	1.60
80-536	DB-37 Plug M	2.75	2.20
80-535	DB-37 Plug F	2.25	1.80

Crimp Pins and Connectors

Cat. No.	Description	Each 1-4	5-11
658-025	Stamped Pins, M, 100/pk.	$3.75	$3.00
658-520	Stamped Pins, F, 100/pk.	3.95	3.16
658-901	DB-9 Plug M	.85	.68
658-900	DB-9 Plug F	.85	.68
502-060	DB-15 Hi-Density Plug, M	1.95	1.56
502-061	DB-15 Hi-Density Plug, F	1.95	1.56
658-955	DB-25 Plug M	.95	.76
658-905	DB-25 Plug F	.95	.76



JONARD

Contact Insertion and Removal Kits

➥ **Front release contacts**

Insert and remove contacts on connectors conforming to MIL-C-26482 and MIL-C-26500: Amphenol, Bendix, Burndy, Cannon, Cinch, Continental, Deutsch, Elco, Flight, Pyle National, etc. Strong durable tool steel probes. **Kits** include one each of sizes 12 (yellow), 16 (blue) and 20 (red) tools in zipper case.

Cat. No.	Description	AWG	Mil Spec	Each
Insertion Tools				
924-260	Contact Insertion Kit	–	–	$114.00
924-160	Insertion Tool	16	M81969/17-04	34.95
924-200	Insertion Tool	20	M81969/17-03	34.95
Removal Tools				
924-261	Contact Removal Kit	–	–	130.00
924-416	Removal Tool	16	M81969/19-08	41.50
924-420	Removal Tool	20	M81969/19-07	41.50



Pin & Socket Extraction Tool

➥ **Front release contacts**

Designed for size 16 pin and socket contacts, it features a handle and sleeve to release the contact lance and a push rod button to eject the contact.

Cat. No.	Description	Each
80-183	Pin & Socket Extraction Tool	$15.50



AMP

Insertion/Extraction Tool

Handle provides storage space for tips and hex wrench. Six insertion/extraction tips are color coded. Color legend is molded into handle body. Tips handle D-Sub RS-232, HD-20 and HD-22 contacts including posted contacts.

Cat. No.	Description	# Tips	Each
80-719	Insertion/Extraction Tool	6	$25.00



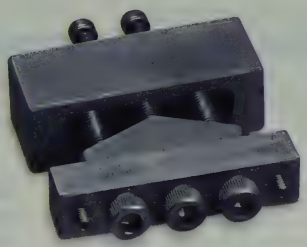
Insertion/Extraction Tools

➥ **QPL-81969 approved**

➥ **Metal tips**

For use with MS-81969 rear release connectors. One end of tool used to insert contacts and the other to extract. Color-coded to indicate contact size. **80-044** and **80-080** are for high density connectors.

Cat. No.	Description	Color	Contact Size	Each
113-001	Insert/Extract Tool	Green	22	$5.50
80-672	Insert/Extract Tool	Red	20	5.50
113-003	Insert/Extract Tool	Blue	16	5.50
80-044	Insert/Extract Tool, HD	Green	22	5.50
80-080	Insert/Extract Tool, HD	Red	20	5.50



Panel Punches For D-Subminiature Plugs Receptacles

➥ **Precision punching of mounting holes**

Punch/die units will punch holes for mounting the RS-232 (25 pin). RS-449 (9, 15, or 37 pin) standard D-Subminiature plugs and receptacles. Capacity: 22 to 16 gauge steel or aluminum. Mounting holes are accurately located and pin-pricked before punching. All fasteners are socket headed and hex wrenches are provided. All models can be reground to sharpen. Comes with 25 adhesive-backed templates to aid in positioning holes.

Cat. No.	Description	# Pins	Each
879-009	RS-449 Punch	9	$153.00
879-015	RS-449 Punch	15	153.00
879-001	RS-232 Punch	25	153.00
879-037	RS-449 Punch	37	153.00
879-259	Templates, 25/pkg.	9	5.25
879-255	Templates, 25/pkg.	15	5.25
879-125	Templates, 25/pkg.	25	5.25
879-257	Templates, 25/pkg.	37	5.25



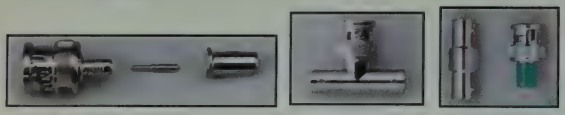
Paladin Tools®

BNC Connector Extractor Tool

The easy answer to removing BNC connectors in high density or hard-to-reach locations. Works on crimp and twist-on connectors.

Cat. No.	Description	Each
497-068	8" BNC Removal Tool	$21.95
497-069	12" BNC Removal Tool	21.95

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



BNC Connectors & Adapters

➥ Consistent quality

Cat. No.	Description	Each 1-10	11+
BNC 3-Piece Crimp-On Connectors			
80-122	Fits generic RG-58A/U and /U w/outer diameter of about 0.19" and PVC jacket	$2.75	$2.67
99-793	Fits Plenum versions of above and Belden 9907 Thinnet cable	2.75	2.67
99-125	RG-59	2.00	1.94
99-401	RG-6	2.25	2.18



502-010 502-011 502-012

Cat. No.	Description	Each 1-10	11+
BNC Adapters			
80-221	BNC Barrel Connector, F to F	$3.75	$3.64
80-543	BNC "Tee", F to M to F	3.75	3.64
80-162	BNC Terminator, 50°	3.25	3.15
502-010	BNC Y Adapter, 180°	5.75	5.58
502-011	BNC Y Adapter, 90°	5.75	5.58
502-012	BNC F Adapter	5.75	5.58

JENSEN®
Solderless Terminals

Cat. No.	Description	AWG		100/pk.
204-301	Female Quick Disconnect	22-18		$7.50
204-302	Female Quick Disconnect	16-24		7.50
204-304	Butt Splice	22-18		7.00
204-305	Butt Splice	16-14		7.00
204-306	Butt Splice	12-10		8.50
204-308	Female Ring Terminal, 5-6 stud	22-18		6.75
204-309	Female Ring Terminal, 10 stud	22-18		7.00
204-311	Spade Terminal, 4-6 spade	22-18		6.75
204-312	Spade Terminal, 10 spade	22-18		6.75
204-316	Ring Terminal, 5-6 stud	16-14		6.75
204-318	Ring Terminal, 10 stud	16-14		7.00
204-319	Spade Terminal, 6 stud	16-14		7.00
204-321	Spade Terminal, 10 stud	16-14		6.75
204-324	Ring Terminal, 10 stud	12-10		8.00
204-325	Ring Terminal, 1/4" stud	16-14		9.50
204-326	Spade Terminal, 10 stud	12-10		8.00
204-328	Male Quick Disconnect Blue	16-14		7.00
204-335	Male Quick Disconnect Red	22-18		7.00
204-352	Closed Splice	22-14		6.25
204-353	Dead End Splice	18-10		7.00



JENSEN®
Solderless Terminals Kit

500 pieces in 20 different types and sizes and a wire stripper/crimping tool. Tool crimps insulated terminals, strips wires and cuts bolts in five different sizes. Comes in a metal box.

Cat. No.	Description	AWG	Each
23-090	Solderless Terminal Kit w/Tool	10-22	$69.95
80-521	Tool only	–	12.00

3M
Solderless Terminals

1300 pieces in 13 varieties, made to exacting tolerances. Kit is housed in a sturdy plastic cabinet with 20 separate drawers. A crimping tool can be stored in a large bottom drawer. Replacement parts are available (see chart above) in packs of 100.



Cat. No.	Description	Each
23-158	Solderless Terminal Kit	$89.00
853-520	20 Drawer Cabinet only	20.00



Solderless Terminals

2000 of the most popular insulated terminals in 20 different styles plus 100 7 1/2" cable ties. Metal storage box has a small compartment for each terminal type plus a large compartment for cable ties. Refills are available in packs of 100. Replacement list included. **1-334** includes a ratcheting crimper with insulated terminal die and saves you money. 10-22 AWG.

Cat. No.	Description	AWG	Each
23-210	Solderless Terminal Kit	10-22	$129.00
1-334	Terminal Kit w/Ratcheting Crimper	10-22	165.00
896-021	Box Only	–	19.00

Telecom Splices

- Quick connections
- Weatherproof seal

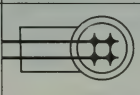
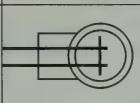
Red (UR) Connectors provide three openings for 19-26 AWG wire, ideal for pigtail and load coil splice applications. **Yellow (UY) Connectors** are used for 22-26 AWG. **Green (UG) Connectors** tap onto 19-26 AWG wires. Solid conductor wires only. **The Telecom Splice Kit** includes 100 of each type of connector in a rugged transparent box.

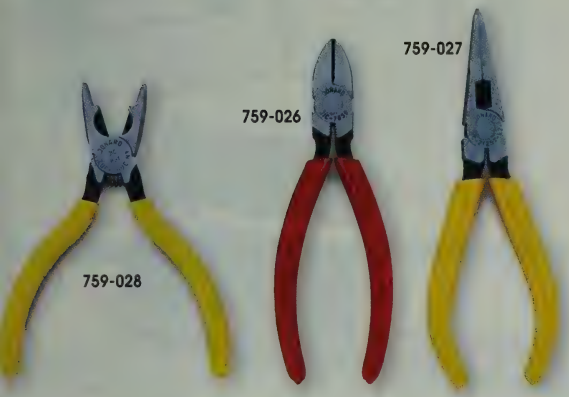


Cat. No.	Description	Range	Each
1-279	Telecom Splice Kit	19-26 AWG	$49.00
251-649	Red (UR) Connectors, 100 pc.	19-26 AWG	17.50
251-650	Yellow (UY) Connectors, 100 pc.	22-26 AWG	15.00
251-651	Green (UG) Connectors, 100 pc.	19-26 AWG	22.00
759-028	Connector Crimping Pliers		16.00

3M Scotchlok™ Connectors & Kit

These connectors are used to make fast splices and taps on solid copper wires without stripping. They come with environmental sealant and are for PIC and pulp/paper cables. Use the chart to select the proper connector.

Mfr. No.		Wiring	Cat. No.	Quantity	Each
UR2			251-041	100	$11.75
UR			251-649	100	17.50
UY2			251-044	100	15.00
UY			251-650	100	15.00
UAL			251-048	100	27.00
UG			251-651	100	22.00



JONARD

Telecom Pliers

Quality pliers are designed in strict accordance with Bell specifications. Vinyl comfort-grip handles.

759-026 Diagonal Cutting Pliers feature tapered nose with standard-bevel knives. 0.030 and 0.045" skinning holes and crusher. Two V-shaped stripping notches. 7" OAL. Red.

759-027 Long-nose Pliers feature side-cutter, crushing slot, 0.030" stripping hole and thin knurled nose to facilitate handling wire at terminals. 7" OAL. Yellow.

759-028 Connector Crimping Pliers are designed to press UG, UR and UY connectors. Built in side-cutter. Special stop behind cut-out prevents damage to connectors. 6" OAL.

Cat. No.	Description	Each 1-5	6-11
759-026	Diagonal Cutting Pliers	$17.95	$16.16
759-027	Long Nose Pliers	24.95	22.45
759-028	Connector Crimping Pliers	16.00	14.40



JENSEN®
Lifetime Guarantee

Electrician's Pliers

Jensen quality pliers meet or exceed the best brands on the market for durability, comfort and value. Each plier is tested to exacting ANSI specifications to ensure lasting quality. Constructed of high-quality 1060 alloy steel. 60RC nominal cutting edge hardness. Electronically induction hardened. Hand honed, precision-aligned cutting surfaces. Diamond-serrated plier jaws for high gripping power. Textured matte non-slip grip*. Jaws rated for ACSR, bolts, nails and most hardened wire. **671-510** features built-in crimping die for insulated and non-insulated terminals. **671-520** features a pulling groove for flat fishtape providing a safe grip and minimized pulling effort. **671-550** for crimping insulated and non-insulated splices, disconnects and wire joints, 22-14 AWG.

Cat. No.	Description	Size	Each 1-5	6-11
671-500	Lineman's Pliers, NE-style	9"	$21.95	$19.75
671-510	Lineman's Pliers, w/Crimp Die	9"	29.95	26.95
671-520	Lineman's Pliers, w/Fishtape Puller	9"	24.95	22.45
671-550	Crimping Pliers, 22-14 AWG	9"	25.95	23.36

*Not electrically insulated - Do not use on live circuits

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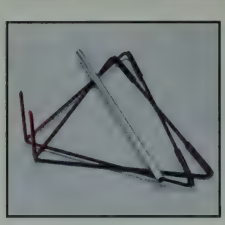
RACK-A-TIERS®

Reels and pipe not included

Rack-A-Tiers

A multi-purpose wire stand that will hold most common wire spools up to 30". They are easy to set up and to transport to any work location. In addition to holding wire spools, the two 'V' notches on the top make an excellent pipe vise to hold rod and pipe from 1/4" to 4" diameter. They also make a convenient saw horse or small workbench to help get work off the ground. Made of durable plastic that will hold up for many years of use.

Cat. No.	Description	Each
134-114	Rack-A-Tiers Wire Stand	$86.00



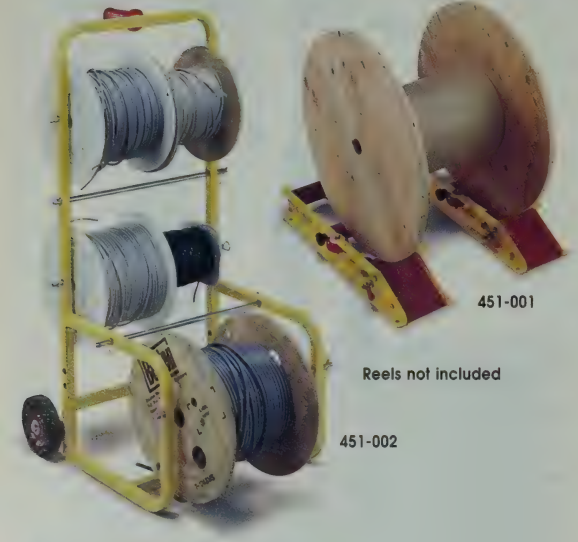


Reels not included

Wire Reel Holder

Collapsible holder, easy to store. 18" tube holds smaller wire reels for installations. Accommodates 25" diameter reels, holds 300 lbs. Two tripods with rubber feet.

Cat. No.	Description	Each
711-030	Wire Reel Holder	$46.95



451-001

Reels not included

451-002

Reel Holders

451-001 accepts any reel up to 2,000 lbs. Bolt together steel construction. Locking front roller for loading, adjustable rear roller. 8 1/2 x 8 x 29 1/2". 52 lbs. **451-002** handles multiple reels up to 16" diameter, 17" width, 250 lbs. capacity. 1/2" steel spool bars. 6" rubber wheels. 24 x 22", 32 lbs.

Cat. No.	Description	Each
451-001	Spool Roller	$360.00
451-002	Spool Cart	195.00

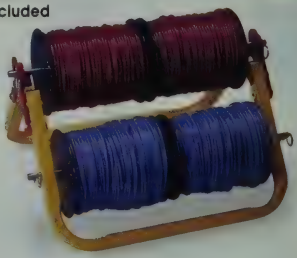


451-003



451-004

Reels not included



DataCom & Electrician's Caddy

451-003 DataCom Caddy is a lightweight and easy-to-use folding cable caddy. Engineered for use in data and communication cable installations. Constructed from welded steel tubing, it has one 1/2" diameter solid steel spool support bar that's zinc plated for corrosion resistance and an overall durable powder coated finish. The DataCom Caddy will hold any spooled product up to 16 1/2" wide x 20" diameter.

451-004 Electrician's Caddy is ideal for carrying multiple spools of wire. It has two 1/2" diameter support bars and zinc-plated R-Clips that hold the spools in place. The Electrician's Caddy will hold one spool up to 16 1/2" wide x 20" diameter or four spools up to 8" wide x 8" diameter. Both have a unique folding mechanism that facilitates convenient transport and storage without having to remove the spool support bars.

Cat. No.	Description	Each
451-003	DataCom Caddy	$79.95
451-004	Electrician's Caddy	84.95



Cable Pulling Videos

- **Train new hires quickly & easily**
- **Establish cable pulling guidelines to increase efficiency**
- **Decrease install time & prevent costly mistakes**

The Cable Pulling Series from Cabling Installation & Maintenance consists of four 45-minute training sessions that take the telecommunications professional through every aspect of pulling cable in a commercial building. From understanding floor plans and securing cables to pulling techniques and work area issues, The Cable Pulling Series is essential education for both novice and experienced cabling professionals alike.

Tape #1 teaches how to plan and lay out cable routes prior to installation. Determine routes, pathways and the order in which cable should be pulled and how to read floor plans and layouts.

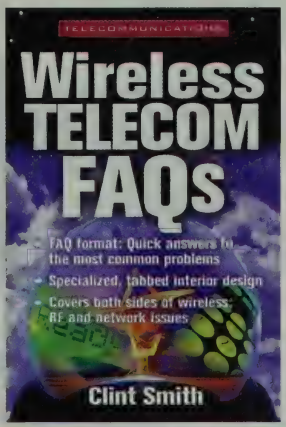
Tape #2 shows horizontal pulling techniques to increase efficiency in one of the most labor-intensive areas of cable pulling. Instructs the essentials of teamwork and knowing each member's responsibilities.

Tape #3 shows one of the most critical elements in structured cabling; how to install larger cable and the best techniques for securing it.

Tape #4 explains how to drop cable down walls, columns and telepoles, cut holes in dry walls, install box eliminators and pull cable through modular furniture.

Cat. No.	Description	Each
256-001	Cable Pulling Videos (4)	$495.00

Wireless Telecom FAQs



Wireless newcomers and veterans alike can find all the get-ahead answers on technology and networking basics they need in an easy-access, frequently asked question (FAQ) format. Written with a balanced, vital overview of these aspects of the wireless industry: technologies, network systems, radio systems, implementation, real estate, RF, filters, antennas, design guidelines, traffic engineering, performance, and more. Also covers the basics of cellular and PCS, TDMA, CDMA, and GSM. 450 pages.

Cat. No.	Description	Each
960-040	Wireless Telecom FAQs	$39.95

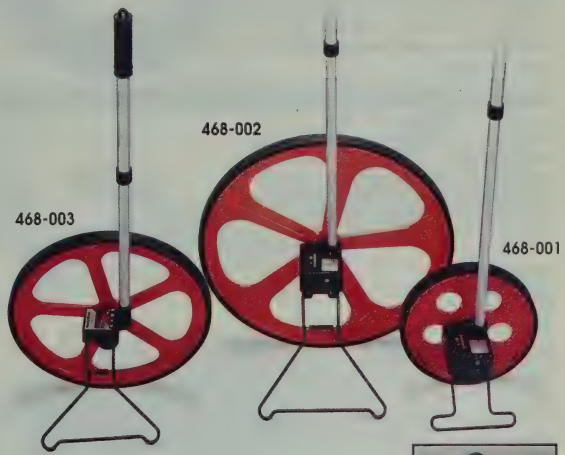


GREENLEE

BX-Armored Coiled Cable Dispenser

Dispense BX-armored cable, flexible conduit, Greenfield or Romex fast and easy without twists or tangles. Base has an adjustable tension control that rotates to dispense the cable without overpulling. A large pulling eye rotates freely and can be used as a carrying handle when the dispenser is empty.

Cat. No.	Description	Each
64-014	BX-Armored Coiled Cable	$205.00



Handy Wheels

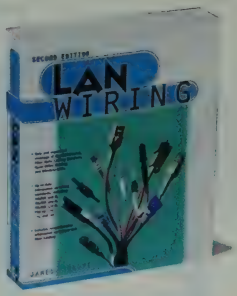


Simple rugged device for measuring distances up to 10K', and accurate to within 1". Wheels are a high visibility orange and have a kickstand. Telescoping handle makes storage easy. Available in 10" and 19". A digital version is also available in a 15" size that will measure in feet/inches, feet/hundredths, or meter/centimeters. LCD display shows six digits and measures up to 10K. Two counters capture incremental and total measurements in just one pass. Zippered carry case provided with each wheel. Lifetime manufacturer warranty.

Cat. No.	Description	Each
468-001	10" HandyWheel	$84.95
468-002	19" HandyWheel	99.95
468-003	15" Digital HandyWheel	109.95

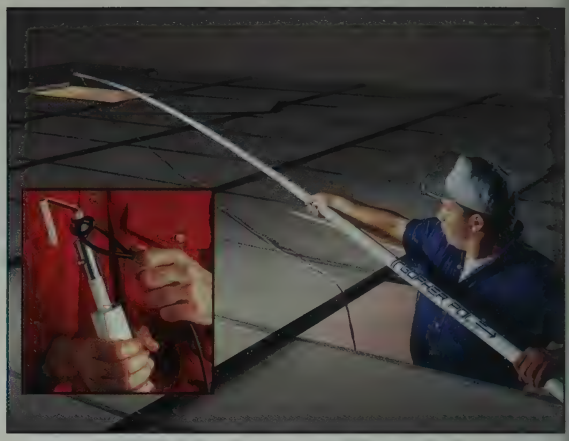
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LAN Wiring



A concise source of the latest information on local area network wiring. It includes extensive details on both copper and fiber cabling for all types of LAN topologies, including Ethernet, Fast Ethernet, Token-Ring, 100VG-AnyLAN, Arcnet, ATM, and FDDI. Diagrams, tables, and photos provide quick reference on wiring details, while comprehensive descriptions of concepts, planning, and management of the physical layer provide needed information for network managers, designers, and installers. 551 pages.

Cat. No.	Description	Each
960-030	LAN Wiring	$44.95



Gopher Pole® Wire Installation Tool

- **Non-conductive fiberglass construction**
- **Telescopes to 22' long in seconds**

Push-pull wire installation tool for fishing wires over long spans or hard-to-reach areas such as suspended ceilings, sub-floors, crawl spaces and attics. Self-contained, no loose parts. Rigid, lightweight (4 lbs.), easy-to-handle. Collapses to 52" x 2" diameter. Optional **Carrying Case** available. One year warranty.

Cat. No.	Description	Each
402-001	Gopher Pole Wire Installation Tool	$149.00
402-002	Optional Carrying Case	17.50

IDEAL

Tuff Grip Fish Tapes



- **Stainless, fiberglass, steel**

Oversized comfortable handle with finger grooves makes pay outs and rewinds smooth and fast. Case maintains positive tension on tape to prevent scrambling. Available with steel, nylon coated fiberglass and stainless tapes.

Cat. No.	Description	Length	Each
600-073	Steel Fish Tape,	50'	$36.00
600-074	Steel Fish Tape,	100'	52.50
600-075	Steel Fish Tape,	200'	72.00
600-076	Fiberglass Fish Tape,	50'	125.00
600-077	Fiberglass Fish Tape,	100'	175.00
600-166	Stainless Fish Tape,	100'	68.00
600-167	Stainless Fish Tape,	200'	88.75

IDEAL

Fish Tapes



Fiberglass Tapes are nylon coated and are non-conductive for working live circuits. Available in 50' lengths with or without "goober" leader.

Spring Steel Tapes are 1/4" x .060" and come in 50', 100' and 200' lengths.

Multi-Strand Tape is 3/16" diameter, more flexible than spring steel and comes in 50' length.

Cat. No.	Key	Description	Length	Each
600-061	A	Fiberglass Fish Tape w/Leader	50'	$115.00
600-081	A	Fiberglass Fish Tape w/o Leader	50'	103.00
64-050	B	Spring Steel Fish Tape	50'	33.00
64-100	B	Spring Steel Fish Tape	100'	51.00
64-200	B	Spring Steel Fish Tape	200'	67.00
37-500	C	Multi-Strand Fish Tape	50'	80.00

IDEAL

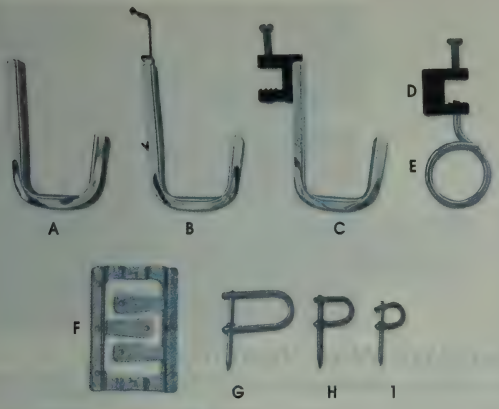
Rapid-Pak Fish Tapes



- **Rewinds 3x faster**
- **Reversible knob, right or left-hand use**
- **Choose steel or fiberglass tape**

Stationary handle with rotating center hub and reversible winding knob. Sturdy ABS case with funneled tape opening. Available with steel or fiberglass tapes in 50' and 100' lengths.

Cat. No.	Description	Length	Each
600-082	Steel Fish Tape	50'	$51.00
600-081	Steel Fish Tape	100'	67.00
600-187	Fiberglass Fish Tape	50'	124.00
600-186	Fiberglass Fish Tape	100'	165.00



Thomas&Betts
Spring Steel Fasteners

➥ **Provides an easy alternative for wire installations**

Bridal ring (requires beam clamp), drive rings, and J-Hooks all offer a quick and economical means of installing and supporting network, telecom, and CATV cabling inside and outside the building. The low voltage mounting bracket eliminates the need for an electrical box when installing low voltage Class 2 wiring.

Cat. No.	Key	Description	Each
462-076	A	2" Cable Support J-Hook 50/pk.	$75.00
462-078	B	2" Cable Support J-Hook w/clip to #12 drop wire 25/pk.	48.00
462-077	C	2" Cable Support J-Hook w/Beam Clamp 25/pk.	60.00
462-070	D	Stamped Steel Beam Clamp 100/pk.	51.00
462-071	E	1 5/8" Bridal Ring 100/pk.	65.00
462-072	F	Low Voltage Bracket 100/pk.	65.00
462-075	G	7/8" Drive Ring 25/pk.	9.00
462-074	H	5/8" Drive Ring 25/pk.	5.00
462-073	I	1/2" Drive Ring 50/pk.	8.00



GREENLEE
CableCaster™

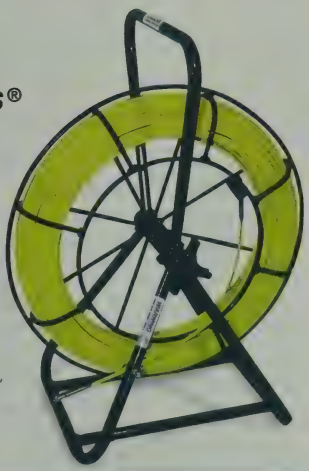
➥ **Faster cable installations** ➥ **50 foot range**

CableCaster is designed to significantly speed up the installation of lightweight communications cable through hard-to-reach spaces, such as suspended ceilings, rafters and sub-floors. It launches a dart up to 50 feet to the cable supply access point, pulling a durable monofilament line. The cable is attached to the dart, and pulled back with the CableCaster take-up reel. The darts are aerodynamically designed for true and accurate flight and glow in the dark to help locate them in dimly lit areas. An integral flashlight holder on top will accommodate a Mini Maglite and the bright yellow body makes it less likely to leave behind.

Cat. No.	Description	Each
64-015	CableCaster	$64.00
64-011	(4) CableCaster Darts	6.50
686-002	Mini-Maglite w/AA Batteries	14.50



Paladin Tools®
100' FiberSnake on wire reel cage



The FiberSnake has a fiberglass reinforced composite core jacketed in a rugged plastic coating to ensure long life, high flexibility, and no splintering. It has a bullnose at each end so wires can be pulled from either direction. Because of the extreme flexibility, it can be used in conduit which makes it very versatile. Comes in a steel cage with a hand operated brake. 22 x 17 x 12.5".

Cat. No.	Description	Each
497-066	100' FiberSnake on wire reel cage	$230.00

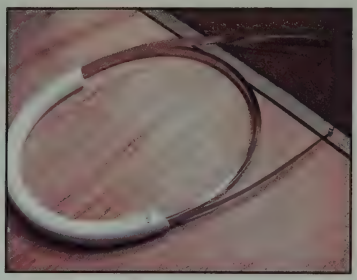


GREENLEE
Quick Cutter Hole Saw

Designed to fit a 3/8" drill, the carbide coated self-sharpening blades will quickly and easily cut holes in drywall and ceiling tiles. You can cut holes from 2.5 to 7" diameter adjustable in 1/2" increments. This is ideal for recessed lighting, circular in-wall speakers or any application that requires a clean-cut hole. A dust shield is included to keep the dust and debris to a minimum.

Cat. No.	Description	Each
64-400	Quick Cutter Hole Saw	$27.00

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Undercarpet Tape

The Undercarpet Tape is a 25 feet long annealed stainless steel, 3/4" wide tape with one end curled up and the other rounded. This allows the user to run wire or cable between the padding and the carpet. A very practical solution for when the home or building is on a concrete pad and you are unable to fish through the walls and ceiling.

Cat. No.	Description	Each
711-036	Undercarpet Tape	$54.00



Portable Wire Reel Holder

A portable device designed to hold a reel of wire on a 2 by 4 wall stud and conveniently route wire. This is perfect for wire and cable installers who are working in an open stud building. It is lightweight, very compact and sets up easily in seconds.

Cat. No.	Description	Each
711-035	Portable Wire Reel Holder	$43.00



Flexible Retriever & Ball Chain

The retriever component is a flexible, insulated 24" handle with a neodenium magnet attached to one end. This rare earth magnet will not loose its magnetism if it is hit. Also includes 10 feet of .090" smooth nickel plated steel ball chain and a stop ring that will prevent the chain from falling through the drilled hole. Comes with a #6 in-ring connector to pull the wire and a #3 "b" coupling to attach a second chain if needed. This is very efficient when fishing wires through walls or tight spaces.

Cat. No.	Description	Each
711-005	Flexible Retriever & Ball Chain	$18.75



Fiberglass Wire Running Kits

➥ **Ideal for the cable installer**

Make conventional fish tapes obsolete with this kit. Assemble the rods to the desired length, and fish the wire or cable with precision and ease. Consists of five 6-ft. green fiberglass rods (.159" in diameter), - four with male/female screw-on connectors, one with female on one end and a bullet shaped head with a cross hole at the other end to attach the wire. A 1-ft. ballchain attached to the cross hole grabs it easily, when inside a wall. "Wisp" shaped head used as a guide keeps the rods from getting stuck on obstacles and provides a "wheel" to creep from side to side. The **711-032** is made of luminescent epoxy fiberglass rods (stronger and slightly stiffer) that glow in the dark after being "charged" in full light. This makes it much easier to see when running cable in a dark attic or crawl space. Interchangeable with the standard green rods.

Cat. No.	Description	Each
711-007	Green Fiberglass Wire Running Kit	$87.00
711-032	Luminous Fiberglass Wire Running Kit	175.00



Wall-Eye Flashlight

A periscope-type unit with flashlight and mirror incorporated to see inside walls, pipes or ceilings, through a 2" diameter hole. Eliminates blind "hits and misses", while searching for holes in fire block, top or bottom plates, studs or joists. A "must" when fishing between ceiling and upper floor. Held with one hand, it lets you see the free hand direct your fishing tool. Insert the end with the light and the mirror in the wall or ceiling and turn on the switch. Look through the peep hole and the angled mirror and light will reveal a well-lighted wall cavity.

Cat. No.	Description	Each
711-037	Wall-Eye Flashlight	$29.95





Wire and Cable Installation Tools

- Unique, hard to find tools
- Industry specific kits
- Individual tools available

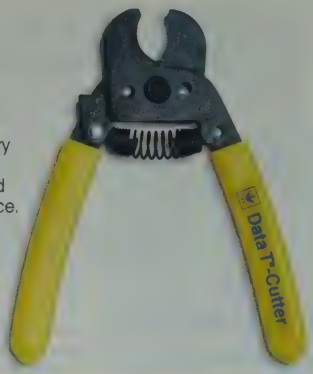
Wiring low voltage systems such as video & alarm, home automation, telephone, CATV, and data communications in existing structures is difficult because wires must be run in restricted and difficult to access areas. These custom designed tools from Labor Saving Devices meet any wiring challenge. Designed by a master installer for his own use and now marketed to you, these tools can dramatically cut installation times and help make installations cleaner.

Individual Tool		Kits (see prices at bottom of columns)		
Cat. No.	Description and Use	711-001 Alarm/Security	711-002 CATV, Telecom	Tool Price
711-004	Densiometer locates wood or steel studs and detects AC lines	✔	✔	$59.00
711-005	10' of ball chain with flexible retriever with magnet to fish inside empty walls or walls with stapled insulation	✔	✔	18.75
711-006	Telescoping Pocket Hook Retriever to pull ball chain through 1/4" hole	✔	✔	11.75
711-007	Five 6' long Fiberglass Rods which can screw together for running wires inside insulated walls and over false ceilings	✔	✔	87.00
711-032	Phosphorous version of 711-007 (glows in dark)			175.00
711-009	3' Push/Pull Fiberglass Rod with bullet shaped tips with cross hole on both ends	✔	✔	8.75
711-010	4' Push Only Fiberglass Rod, one end with diagonal flat surface and hole to push wire through top or bottom plate	✔		6.95
711-031	Phosphorus version of 711-010 (glows in dark)		✔	18.75
711-011	6' Phosphorous (glows in the dark) Fiberglass Rod to push or pull wire through top or bottom plate	✔	✔	29.00
711-012	Telescoping Pole 12' to push or pull wire with special tip above false ceilings, over beams, in attics or crawl spaces	✔		87.00
711-029	18' version of 711-012		✔	145.00
711-013	Rubber Caps to protect ends of the 711-011		✔	4.00
711-014	3' Spring Steel Wire Bits (0.047") which can be cut to any length. For making a reference hole to measure from when drilling into specific wall cavity. Set of 10	✔	✔	11.75
711-015	Directional Tool for use with flex bits and extension	✔	✔	12.95
711-016	Spear Bit for drilling wood from any direction. 1/4" x 18"	✔		7.75
711-017	Spear Bit 3/8" x 24"	✔	✔	9.95
711-018	Spear Bit 3/8" x 48"	✔	✔	18.00
711-019	Spear Bit 1/2" x 18"		✔	8.75
711-020	Bellhanger Bit 1/4" x 24"	✔		15.50
711-021	Bellhanger Bit 3/8" x 36"	✔	✔	20.50
711-022	Bellhanger Bit 3/8" x 72"	✔	✔	22.00
711-023	Bellhanger Bit 1/2" x 24"		✔	21.50
711-024	Auger Bit with screw point 3/4" x 18"			26.75
711-025	Kit of Wood Boring Bits 1 1/4", 2', 4', 6' flex shafts and flex shaft extensions			221.00
711-027	1/2" Woven Sleeve for pulling connectorized cables or wire bundles			15.25
711-028	Carrying Case	✔	✔	87.00
	KIT PRICES	$419.00	$500.00	

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IDEAL

Data T-Cutter



Designed to cut round communication cable, while maintaining the cable geometry for better cable performance. Precision ground and hardened steel for rugged use, long service. Comfort grip that increases handling ease. Cuts coaxial cable up to RG-9U, multi-pair cable up to .5" and solid and stranded wire up to 10 AWG. Includes a center conductor cutting hole to trim steel reinforced center conductors.

Cat. No.	Description	Each 1-4	5-11
600-049	Data T-Cutter	$17.00	$16.15



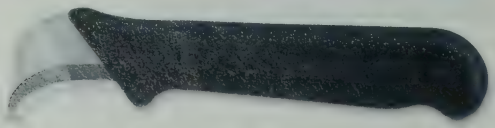


GREENLEE

Electrician's Knife

A single tool that can be used to remove the jacket on most cables commonly installed by electricians. It's range includes 14-2 NM-B building wire to 750 MCM THHN building cable to 16-4 STO portable cord to 50 pair CM telephone cable. It contains two blades, a main blade for ringing cable and for slicing thicker jackets, and a side blade for peeling thinner jackets. The side blade is limited in depth so it will not damage the underlying wire insulation or nick bare wire.

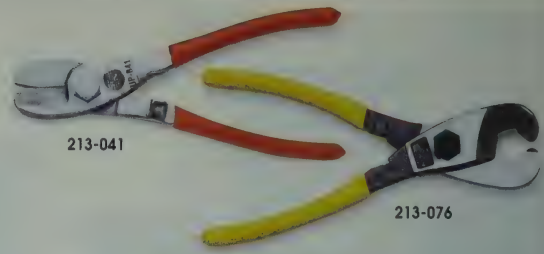
Cat. No.	Description	Each
418-824	Electrician's Knife	$19.95



Cable Sheath Slitter Knife

The "Safety Button" tip design of this knife allows you to slit cable [illegible] without damaging any of the conductors.

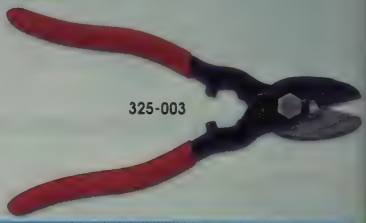
Cat. No.	Description	Each
55-001	Cable Sheath Slitter Knife, 6" length	$20.95



Cable Cutters

➥ For copper or aluminum cables

Razor sharp cutting blades slice through copper and aluminum cables up to 5/8".



Cat. No.	Description	Each
213-041	Cable Cutter, Multi-Conductor	$33.95
213-076	Cable Cutter, Coax	40.95
325-003	Cable Cutter	22.75



Cable Cutter

Made of heavy-duty forged steel to cut copper or aluminum to 2/0 capacity and 100pr. Communications cable. The cutting blades are heat treated, precision ground, with a curved shear action. Handles are high leverage with plastic coating and the tool has a rust resistant black oxide finish. 9-1/4".

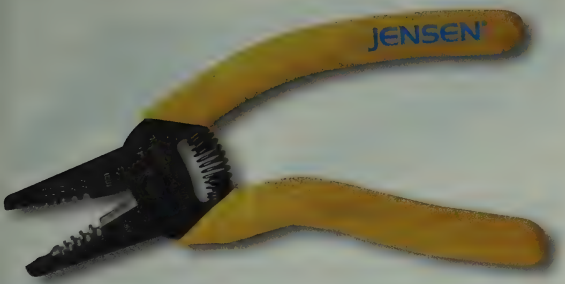
Cat. No.	Description	Each
64-009	Cable Cutter	$26.00



KT8 Coax & Data Cutter

Cutters are designed for solid, stranded and flexible cables up to 6AWG. The blade geometry is outlined for two conductor size ranges and cuts cleanly without crushing the conductors. It also provides a low cutting force for precise and effortless cuts. Blades are hard-chromed steel and handles are coated with firmgrip ABS plastic.

Cat. No.	Description	Each
497-050	KT8 Coax & Data Cutter	$29.00



JENSEN®
Lifetime Guarantee

Premium Stripper/Cutters

- Comfort handles for sure grip
- Super-sharp blades

Designed for a natural grip with extra soft handles. Precision-ground strip holes and sharp, knife-type blades give a perfect, easy strip. Built-in wire cutter.

Cat. No.	Description	Range	Each
600-415	Stripper/Cutter	10-18 AWG Solid Wire	$20.00
600-416	Stripper/Cutter	16-26 AWG Stranded Wire	20.00
600-417	Stripper/Cutter	22-30 AWG Solid Wire	20.00



462-051



462-052

Thomas&Betts

Ratcheting 750 MCM Cable Cutter & Cable Splicers

Only 16" long, the cable cutter has an advance stroke mechanism that greatly reduces handle force required to slice copper or aluminum cables up to 750 MCM. Short handles, 10" long, enables use in confined spaces. The Cable Splicer has fiberglass handles and cuts 500 MCM copper and aluminum.

Cat. No.	Description	Each
462-051	Ratcheting 750 MCM Cable Cutter	$226.00
462-052	Cable Splicer- 500 MCM Copper/Aluminum	126.00



Paladin Tools®
Ratcheting Cable Cutter

A compact ratchet tool that will easily cut stranded and flexible copper and aluminum cable up to 600MCM or a diameter of 1.77". It has hardened, precision cutting blades for long life and a precise ratchet mechanism for effortless operation. A built-in safety release in all cutting positions and locking mechanism for transport safety are also featured.

Cat. No.	Description	Each
497-045	Ratcheting Cable Cutter	$260.00



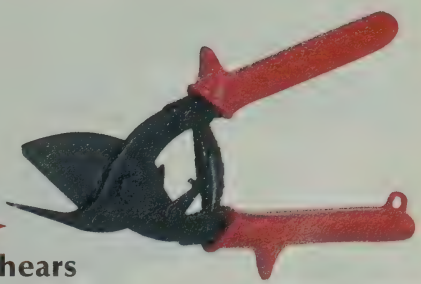
JENSEN®
Lifetime Guarantee

Stripper/Cutter/Crimper

- Inch/metric
- Bolt cutter

Strips wire and crimps insulated terminals in wire sizes 22-10 AWG (metric: .75-6mm). Cuts six sizes of bolts, 4-40, 5-40, 6-32, 8-32, 10-24, 10-32 (metric: M2.6 M3, M3.5, M4, M4.5, M5). Serrated-jaw and narrow nose pull wire, bend loops, loosen or tighten small nuts. Cushion grip handles. 8 1/4".

Cat. No.	Description	Each
71-100	Inch Stripper/Cutter/Crimper	$14.95
36-637	Metric Stripper/Cutter/Crimper	20.95



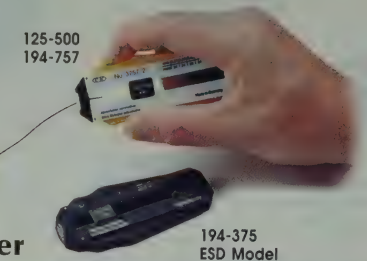
GMP®

Tabbing Shears

Designed for making longitudinal cuts in cable sheath and metallic shields for placement of inner sheath bond clamps. The special alloy and hardening process allow these shears to stand up to both steel and aluminum shields. The lower snout is rounded and thinly contoured to fit smoothly between the cable shield and the core wrap without damaging the conductors. They come with a precision ground and sharpened cutter edge and for safety, the formed handle grips keep your hand from sliding forward.

Cat. No.	Description	Each
471-018	Tabbing Shears	$42.50

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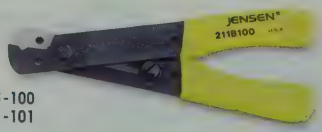


C.K

Precision Wire Stripper

Select one of six different settings. Calibrated wire stop to 2".

Cat. No.	Description	Range	Each
125-500	Wire Stripper	20-30 AWG	$39.00
194-757	Wire Stripper	26-36 AWG	39.00
194-375	ESD Wire Stripper	20-30 AWG	45.00





JENSEN® Lifetime* Guarantee

Wire Strippers

Compact multi-gauge wire strippers with comfortable vinyl grips. Small economy tools cover a wide range of wire sizes up to 10 AWG. Screw adjustment to preset wire size. For precision stripping, the deluxe models offer a separate stripping notch for each wire size within the range of the tool. Stranded wire stripper (not shown) has red handles.

Cat. No.	Description	Range	Each
211-100	Wire Stripper w/o Spring	28-10 AWG	$3.95
211-101	Wire Stripper w/Spring	28-10 AWG	4.25
45-080	Deluxe Solid-Wire Stripper	18-10 AWG	7.95
45-100	Deluxe Solid-Wire Stripper	30-22 AWG	8.75
45-090	Deluxe Stranded-Wire Stripper	26-16 AWG	7.95

†NSN: 5110-01-040-9836



Stripall Handheld Thermal Stripper

Heats in less than two seconds to 1700°F. Stripall blades are long lasting, inexpensive, and easily replaced. 115VAC, 3 wire cord. Comes with [illegible] blades

Cat. No.	Description	Range	Each
44-712	Thermal Stripper w/o Temp. Control	36-10 AWG	$241.00
44-713	Thermal Stripper w/SCR Control	36-10 AWG	308.00
44-715	Blades, Notched, pair	10-25 AWG	10.95
44-716	Blades, Blank, pair	26-36 AWG	10.95

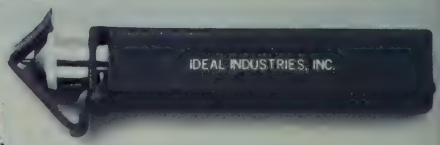


Paladin Tools® STRIPAX Wire Strippers

➥ **Factory lifetime warranty (excluding blades)**

Strips solid and stranded PVC insulated wires; built-in wire cutter, adjustable depth stop. Front feed allows stripping in confined spaces. Automatically adjusts for wire size.

Cat. No.	Description	Range	Each
497-114	Stripax Pro 6 Wire Stripper	28-10AWG	$76.00
497-115	Mini-Stripax Plus Wire Stripper	28-18AWG	70.00
497-116	Stripax Pro 16 Wire Stripper	10-6AWG	94.00
497-117	Replacement Stripper Jaws for 497-114		31.00
497-108	Replacement Stripper Jaws for 497-115		21.95
497-118	Replacement Stripper Jaws for 497-116		39.00



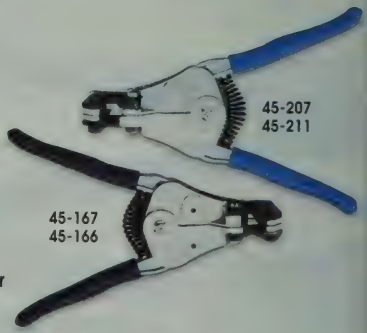
IDEAL

Round Cable Stripper

➥ **Factory lifetime warranty (excluding blades)**

Slits cable both longitudinally and circumferentially. Cutting blade is adjustable for depth of cut.

Cat. No.	Description	Range	Each
497-820	Round Cable Stripper	4/0 AWG	$44.00
497-210	Replacement Blades, 2/pkg.	-	12.50



IDEAL

Wire Strippers

➥ **Stripmaster for PVC insulations**

➥ **Custom Stripmaster for PVC and Teflon insulations**

Controlled action strippers in the standard Stripmaster and the "nick-free" Custom Stripmaster series. **Stripmaster** features standard knife type cutting blades while **Custom Stripmaster** has the precision die-type blades to prevent damage to conductor and insulation.

Cat. No.	Description	Range	Insulation	Each
45-167	Stripmaster	16-26 AWG	PVC	$27.00
45-166	Stripmaster	20-30 AWG	PVC	27.00
45-207	Custom Stripmaster	16-26 AWG	PVC	119.00
45-211	Custom Stripmaster	16-26 AWG	Teflon	119.00

Paladin Tools®



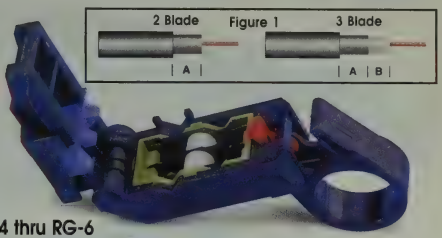
Coaxial Cable Stripper

➥ Strips cable from .100 to .315" diameter

Variable

Interchangeable blade cassettes change the strip dimensions and each blade can be adjusted to any depth of cut. A unique removable adjustment module speeds up stripping of different cables by allowing you to set the adjusters (one included) for each type of cable. The variable tool allows you to change strip dimensions in mm increments. Lifetime warranty (except blades).

Cat. No.	Mfr. No./Description	Fig. 1 A	Fig. 1 B	Each
Strippers				
497-156	3240 Variable Stripper	n/a	n/a	**$66.50**
497-153	1241 w/Blue Cassette	.256"	–	**68.50**
497-155	1240 w/Green Cassette	.279"	.201"	**58.50**
497-352	1246 w/Gray Cassette	.153"	–	**68.50**
497-354	1243 w/Brown Cassette	.295"	.137"	**68.50**
Replacement Cassettes				
497-152	Blue	.256"	–	**$26.00**
497-154	Green	.279"	.201"	**26.00**
497-357	Gray	.153"	–	**26.00**
497-243	Brown	.295"	.137"	**26.00**
497-151	Extra Adjustment Module	–	–	**26.00**
497-242	Replacement Blades for Variable Stripper			**36.00**



XCELITE

Coaxial Cable Strippers

➥ Strips RG-174 thru RG-6

Provides quick and easy stripping of many sizes of coaxial cables. Razor-sharp blades are securely housed in interchangeable cassettes and provide thousands of perfect strips. Cassettes are color-coded for easy determination of strip dimensions. Replacement cassettes are available.

Cat. No.	Mfr. No./Description	Fig. 1 A	Fig. 1 B	Each
Strippers				
3-271	2CSK-R 2 Blade, Red	.25"	–	**$71.00**
3-273	2CSK-B 2 Blade, Blue	.28"	–	**71.00**
3-277	2CSK-Y 2 Blade, Yellow	.44"	–	**71.00**
3-272	3CSK-BR 3 Blade, Brown	.328"	.109"	**74.50**
3-274	3CSK-GN 3 Blade, Green	.235"	.235"	**74.50**
3-276	3CSK-WH 3 Blade, White	.266"	.063"	**74.50**
Replacement Cassettes				
3-210	Red	–	–	**$29.25**
3-211	Blue	–	–	**29.25**
3-212	Yellow	–	–	**29.25**
3-214	Brown	–	–	**29.25**
3-215	Green	–	–	**29.25**
3-297	White	–	–	**29.25**



SARGENT

Twisted Pair/ Coax Cable Strippers

➥ Single strip tool for multiple applications

➥ Twisted pair, "F" and BNC strip cartridges available

685-306 will accurately strip both CAT5 twisted pair cable as well as RG-59/6 coax cable. For twisted pair, the outer jacket is easily removed without nicking the inner conductors and the blade to cartridge body length is configured for RJ-45 plugs. The coax cartridge is configured for a 1/4 x 1/4" prep. The cartridges are molded from durable glass filled polycarbonate and are color coded for easy identification. They will also snap in place from both sides of the tool making it a non-handed product. **685-301** includes a built-in compression tool for installing the LRC Snap-N-Seal, PPC and CMP sealed connectors.

Cat. No	Description	Each
685-306	Stripper, Twisted Pair & RG-59/6	**$19.95**
685-302	Stripper, RG-59/6 & RG-11/7	**19.95**
685-303	Stripper, RG-59/6	**14.95**
685-301	Stripper, RG-59/6 with Compressor	**19.95**
685-307	Replacement Cartridge, Twisted Pair, each	**5.00**
685-308	Replacement Cartridge, RG-59/6, each	**5.00**
685-309	Replacement Cartridge, RG-11/7, each	**5.00**
685-310	Replacement Cartridge, RG-58/59, 3 Blade .235/.235, each	**10.00**
685-311	Replacement Cartridge, RG-58/59, 3 Blade .328/.109, each	**10.00**

IDEAL

Coaxial Cable Strippers



➥ Built-in cutter/trimmer

➥ Strips RG-58 thru RG-6

Once the tools are properly adjusted to the cable, they perform neat and clean cuts time after time. The cassettes holding the blades are interchangeable for different length of strip and are fully adjustable to different cable diameters. Lifetime warranty (except blades).

Cat. No.	Mfr. No./Description	Fig. 1 A	Fig. 1 B	Each
Strippers				
600-580	45-520 w/Black Cassette	.240"	.240"	**$35.00**
600-020	45-521 w/Brown Cassette	.328"	.109"	**35.00**
600-590	45-526 w/Blue Cassette	.250"	–	**35.00**
Replacement Cassettes				
600-800	Black	.240"	.240"	**$9.00**
600-357	Brown	.328"	.109"	**9.00**
600-475	Blue	.250"	–	**9.00**

Multi-Pair Ringer



Low cost disposable pair stripper removes jacket cleanly and quickly. Available in 2, 3, 4 pair sizes.

Cat. No.	Description	Each
425-015	2, 3, 4 Pair Multi-Pair Ringers	$5.95

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690





DMC DANIELS MANUFACTURING CORPORATION

Miniature Crimping Tools

- **Available in Mil-Spec and commercial**
- **Standard and high density**

Designed to accommodate most miniature and sub-miniature connector types used in electronic systems that use "screw-machined" size 20 DM contacts. Separate replaceable positioner for use with tool frame **924-201** are listed below for Mil-Spec Mil-C-22520/2 (color-banded) and "commercial-grade" (no color bands) pins and sockets. Tool frame 924-201 offers an eight-position crimp depth adjustment, precision ratchet action and produces a Mil-Standard 8-indent crimp for perfect results every time. Also listed below are economical versions with fixed depth-of-crimp, non-removable positioners plus a Go-No-Go gauge.

Cat. No.	Description	Each
924-500	Crimp Tool w/Mil-Spec Positioner	$317.00
924-201	AFM8 Tool Frame w/o Positioner	280.00
924-455	Positioner for Mil-Spec Contacts 20 DM	51.50
924-155	Positioner: Commercial Contacts 20 DM	54.00
924-125	Go-No Go-Gauge	64.50
924-320	Fixed Crimp Tool: Mil-Spec Contacts	283.00
924-215	Fixed Crimp Tool: Commercial Contacts	283.00

See page 143 for pins & sockets for these tools

DMC DANIELS MANUFACTURING CORPORATION

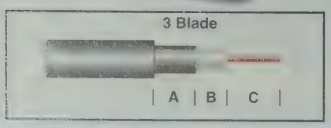
AF8 Upper Range Crimp Tool

- **Qualified to MIL-C-22520/1**
- **Wire range:12 thru 26 AWG**

Features a standard eight-impression crimp to assure absolute maximum tensile strength plus a precision ratchet to deliver the same accurate crimp time after time. Positive crimp depth is controlled by an eight position selector knob. **TH1A** (front release contacts) and **TH163** (rear release contacts) Turret Heads have three positions: 12 (Yellow), 16 (Blue) and 20 (Red) to handle wire sizes from 12 thru 26 AWG. The Universal Positioner, **UH2-5**, is ideally suited for both lab and prototype work. Rotating height adjusting screw assures proper contact positioning.

Cat. No.	Mfr. No./Description	Each
924-008	AF8 Crimp Tool Frame	$291.00
924-025	UH2-5 Universal Positioner	85.00
924-001	TH1A Turret Head Positioner	112.00
924-163	TH163 Turret Head Positioner	114.00
924-125	Go-No-Go Gauge	64.50





Portable Coaxial Cable Stripper

- **Perfect for Coaxial, Triaxial, and Semi-Rigid Cable**
- **Fast, precise cuts**

When you have applications that require multiple Coaxial connector terminations, this Ni-Cad battery powered hand-held cable stripper can deliver production quality strips in less than five seconds. The quick-change very precise cutter heads have blades that last up to 15,000 strips. It's approved for use in Telecommunications, OEM's, Aerospace, RF Microwave or any field where precision and repeatability is required. Cutter heads are available for all types of cable and connectors. Each unit comes complete with Ni-Cad battery pack (good for up to 250 strips per charge) and charger. The Kit includes battery-powered cable stripper, cutter head for 735 cable(709-006), Ni-Cad battery pack, AC charger, all supplied in a carry case with additional space for an extra cutter head.

Cat. No.	Description	Each
709-725	Portable Coaxial Cable Stripper	$250.00
709-715	Portable Coaxial Cable Stripper Kit	375.00
709-005	735A Cutter Head	125.00
709-006	735 Cutter Head	125.00
709-007	734A Cutter Head	125.00
709-008	734 Cutter Head	125.00
418-825	RG59/6 "F" Cutter Head	125.00

Cat. No.	Dimensions			Application
	A	B	C	
[illegible]	.344	.093	.156	735 Cable or .110"-.160" OD (for Trompeter, ADC BNC & Amphenol connectors)
[illegible]306	.312	.156	.156	735 Cable or .110"-.160" OD (for Lucent, ITT Cannon & Kings connectors)
[illegible]07	.344	.093	.156	734 Cable or .235"-.270" OD (for Trompeter, ADC BNC & Amphenol connectors)
[illegible]08	.312	.156	156	734 Cable or .235"-.270" OD (for Lucent, ITT Cannon & Kings connectors)
[illegible]5	.250		.250	RG59/6 Cable "F" Connectors



(Die sold separately)

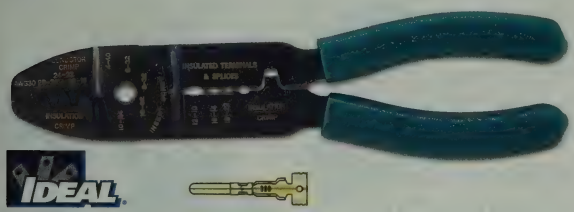
JENSEN
Lifetime Guarantee

Open Barrel Crimp Tool

Ergonomically designed handles and smooth ratchet action for comfort and precise crimps.

Cat. No.	Description	AWG	Each
600-700	Crimp Tool Frame	–	$42.00
600-205	Open Barrel Crimp Pin & Sockets Die*	18-30	36.00

See page 171 for other die sets for this frame *Lifetime Guarantee on Frame only.



IDEAL

Open Barrel Crimper

Crimps commercial grade stamped open barrel contacts, D-sub contacts and high density double-D miniature contacts. Includes crimp nest for insulated terminals (10-22AWG) and cuts machine screws and bolts. Cushion grip handles.

Cat. No.	Description	Each
600-028	Open Barrel Crimper	$43.00



IDEAL

4-Way Indent Crimp Tools

➥ **Lifetime factory warranty**

Designed to crimp solid barrel contacts for D-sub RS-232 interface connectors. Four-way indent dies (per MS22520 specs) and built-in locator for accurate positioning of the pin and socket prior to the crimping action. Full cycle ratchet ensures a complete and perfect crimp every time. Cushioned grips. Compact $6\frac{1}{2}$" size.

Cat. No.	Description	AWG	Each
497-144	Solid Barrel Crimp Tool	20-26	$77.00
600-059	Solid Barrel Crimp Tool	16-22	77.00



SARGENT

Open Barrel Crimp Tools

Full cycle ratcheting action assures precise termination of open barrel contacts. **685-363** has three crimping nests for AMP MultiMate contacts 5-20, 24-20, 18-16, and 28-24 AWG. A contact support and wire stop are provided. **685-364** has two crimping nests for AMP D-sub sizes 28-24 and 24-20 AWG. Locator and wire stop are provided with this tool. Both tools crimp wire and insulation in a single action.

Cat. No.	Description	Contacts	AWG	Each
685-363	Crimp Tool	MultiMate	28-16	$109.00
685-364	Crimp Tool	D-Sub (RS-232)	28-20	109.00
Accessories				
80-183	Extraction Tool	MultiMate	28-16	$15.50
80-672	Ins./Ext. Tool	D-Sub (RS-232)	20	5.50
113-001	Ins./Ext. Tool	D-Sub (RS-232)	22	5.50



SARGENT

Molex® Compatible Crimp Tools

Full cycle ratcheting crimp tools provide effortless termination of Molex and similar open barrel contacts. Conductor and insulation crimps are "B" type. **685-031** crimps .093 power connector pins and sockets (Ref: Molex 1031E). **685-719** crimps .062 power connector pins and sockets (Ref: Molex 1719C). **685-262** crimps .100 Interconnection System crimp terminals (Ref: Molex 2262). **685-263** crimps .100 Interconnection System crimp terminals (Ref: Molex 2262A).

Cat. No.	Description	Pin Size	Wire Size	Each
685-031	Crimp Tool w/Positioner	.093"	14-24AWG	$119.00
685-719	Crimp Tool w/Positioner	.062"	18-24AWG	119.00
685-262	Crimp Tool	.100"	24-30AWG	119.00
685-263	Crimp Tool	.100"	24-30AWG	119.00



Thomas&Betts

Terminal Installing Tool

Installs insulated and non-insulated A-B-C terminals, splices, disconnects, and wire joints from 10-22AWG. Includes a wire cutter for copper and aluminum, and plastisol handle grips.

Cat. No.	Description	Each
462-045	Terminal Installing Tool	$35.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



JENSEN®
LifeTime Guarantee

Stamped Steel Crimpers

Crimps insulated and uninsulated terminals and splices in wire sizes 26-10 AWG. Confined trapezoidal crimping dies provide better electrical and mechanical terminations. Color-coded dies correspond to color of terminal insulation to assure proper die selection. Built-in wire stripper, wire cutter and bolt cutter. Cushioned handles.

Cat. No.	Description	Each
80-521	Crimper/Stripper	$12.00



SARGENT®

Ratcheting Terminal Crimpers

Insulated terminal crimper provides three cavities: Red 22-16AWG, Blue 16-14AWG and Yellow 12-10AWG. **Non-Insulated** terminal and splice crimps are produced in three cavities: 22-16AWG, 16-14AWG and 12-10AWG. Ratcheting action assures a complete crimp and hardened steel jaws and handles provides a long life span. Cushion grip handles. 9"

Cat. No.	Description	Each
685-320	Insulated Terminal Crimper	$69.00
685-321	Non-Insulated Terminal & Splice Crimper	69.00

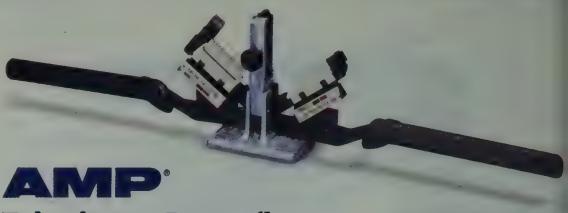


Thomas&Betts®

Comfort Crimp® Terminal Tool

Crimps RA, RB, RC Nylon and vinyl terminals, splices and disconnects. Color coded die nests include A (22-18AWG), B (16-14AWG) and C (12-10AWG) which include integrity dots that are embossed on the top and bottom of the terminal for easy visual verification of crimp. The toggle action of the tool increases mechanical gain which dramatically reduces handle force, and the stress on your hand. The Crimp-Stake™ mechanism helps to ensure a complete crimp cycle before it releases the tool.

Cat. No.	Description	Each
462-200	Comfort Crimp® Terminal Tool	$160.00



AMP®

Telephone Butterfly Installation Tool

➥ **Fast installation of 25 pair (50-pin) connectors**

This unique hand-operated tool performs volume installation of 25 pair (50-pin) telephone connectors. Requires **Lacing Fixture** to deliver 90° or 180° wire dress and **Comb Kit** to keep the wires properly separated. Includes carrying case and instructions.

Cat. No.	Description	Each
80-062	Butterfly Tool	$795.00
80-072	Lacing Fixture	212.00
80-061	Comb Kit	23.00
80-071	T-Handle Insertion	9.95

SARGENT®

Ribbon Cable Crimping Tool

Tool crimps a wide variety of IDC connectors onto ribbon cable up to 60 conductors. Ratchet action assures consistent terminations.



Cat. No.	Description	Each
685-910	Flat Ribbon Cable Crimping Tool	$150.00
685-911	Flat Ribbon Cable Cutter Accessory	45.00



AMP®

MTA Crimper

Interchangeable crimp heads for both sizes of AMP MTA connectors fit into comfortable pistol-grip handle. Tool automatically moves connector to next position after each pin is crimped speeding termination.

Cat. No.	Mfr. No./Description	Each
80-333	MTA Crimper Tool Frame	$60.00
80-334	MTA 100 Crimp Die	148.00
80-335	MTA 156 Crimp Die	148.00



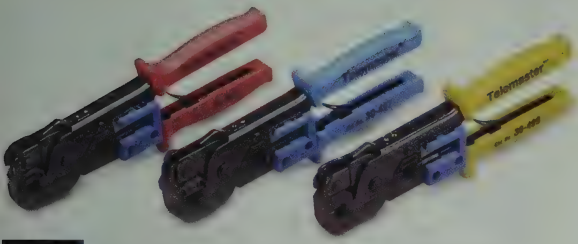
JENSEN®

Lifetime Guarantee

Modular Crimper

An extremely practical tool that is used for RJ-11 and RJ-45 applications. Both dies are built into the tool so you can never lose them and it will always be ready to crimp when you are. The built-in cutter and stripper make it easier to prepare the wire before crimping.

Cat. No.	Description	Each
600-360	RJ-11/RJ-45 Modular Crimp Tool	$49.95



IDEAL®

Modular Crimp Tools

Unique tool features two built-in crimping dies, plus a cutter and stripper.

Cat. No.	Mfr. No./Description	Each
600-163	30-499 RJ-11/RJ-22 Crimper	$47.95
600-162	30-497 RJ-45/MMJ DECconnect Crimper	47.95
600-161	30-498 RJ-11/MMJ DECconnect Crimper	47.95



SARGENT®

Modular Plug Crimper

➥ Full cycle ratcheting action ➥ Interchangeable color coded dies

Full cycle ratcheting action assures consistent terminations and a release lever to prevent faulty crimps. Built-in stripper/cutter for CAT5 cable with industry standard strip length gauges. Kit includes crimp tool and four dies (excluding MMJ die) in a molded storage box with die cut foam insert.

Cat. No.	Description	Each
685-750	Crimp Tool Frame	$79.00
685-754	RJ-22 4 Position Die	27.50
685-760	RJ-11 6 Position Die	27.50
685-758	RJ-45 8 Position Die	27.50
685-701	10 Position Die	27.50
685-525	MMJ DECconnect Die	34.00
685-740	Crimp Tool Kit	185.00



AMP®

Modular Crimping Tool

➥ Cuts and strips cable jacket insulation
➥ Terminates modular plug connectors

Cat. No.	Description	Each
80-020	Crimp Tool Frame	$99.00
80-522	RJ-11 4-6 Position Linecord Crimper with Die	139.00
80-640	RJ-22 4 Position Handset Crimper with Die	187.00
80-662	Replacement Stripper Blade Assembly	12.00
80-212	RJ-11 4-6 Position Die only	45.00
80-213	RJ-22 4 Position Die only	50.00
80-651	MMJ DECconnect Die only	50.00
80-034	RJ-45 8 Position, Die only (Use AMP Plugs only)	45.00
80-007	CAT-5 RJ-45 Die Sets for AMP CAT 5 Plugs	45.00



IDEAL®

Ratcheting Telemaster Modular Crimper

Cuts, strips and crimps six and eight conductor modular plugs onto flat telephone cables. Crimps onto round cables. This tool features all steel construction and a smooth, repeatable, ratchet controlled crimp cycle. No secondary strain relief crimp makes it universal with all types of plugs, including combed Category 5 plugs.

Cat. No.	Mfr. No./Description	Each
600-696	30-696 Ratcheting Telemaster Crimper	$53.00



Paladin Tools® All-In-One Telephone Tool

Cuts, strips and crimps modular telephone wires and plugs. Cuts and strips flat line cord up to 8 conductors wide. Crimps handset connectors, RJ-11 and RJ-45 plugs with no die change.
Five year warranty.

Cat. No.	Mfr. No./Description	Each
497-530	1530R All-in-One Telephone Tool	$116.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



AMP

ProCrimper 2 Crimp Tool

- Ratcheting action for perfect crimps
- Interchangeable dies for versatility

This steel frame ratcheting action tool uses interchangeable die sets to crimp a wide variety of different connectors. (USA)

Cat. No.	Description	Each
80-021	ProCrimper 2 Frame without Dies	$75.00
80-022	Die Set for RG-174 BNCs	49.00
80-023	Die Set for RG-58, 59, 62 BNCs	43.00
80-025	Die Set for Red, Blue, Yellow Insulated Terminals	43.00
80-027	Die Set for RS-232 Stamped, Open Barrel Pins, 20DF	166.00
80-028	Die Set for AMP Fiber ST Connectors	54.00
80-055	Die Set for V: 35 Pins	110.00



TROMPETER ELECTRONICS, INC

CT4L Crimp Tool

The preferred tool for those working with 734 and 735 cable. It's designed with an ergonomic handle that makes it much easier on the hand to crimp, and a ratcheting mechanism that ensures a positive crimp each time. The optional crimp dies imprint either cavity (A/B) or hex size onto the crimp sleeve. **129-002** die will crimp .213/.178/.068/.042 on 735 cable. **129-003** die will crimp .324/.255/.068/.042 on 734 cable. **129-007** die will crimp .255/.178 on 734 & 735 cable. **129-005** die will crimp .178/.255 on 734 & 735 cable.

Cat. No.	Description	Each
129-001	CT4L Crimp Frame	$84.00
129-002	CD3-1 Die	58.00
129-003	CD3-2 Die	54.00
129-007	CD3-11 Die	58.00
129-005	CD3-19 Die	78.00

GMP

Modular Plug Presser

- Works on almost every type of modular plug
- Guarantees connections to FCC specs
- "Tool-less" die changes





A ratcheting presser that is rugged, versatile and easy-to-use. The patented mechanical design multiplies your pressing efforts by more than 20 times. A ratchet in the handle prevents premature release and a mechanical stop prevents overpressing. Interchangeable dies assure versatility, and snap in and out with a press of the thumb, with no fasteners to worry about. A positive detent securely locks the die in place. A stripper in the handle measures and strips the correct length of jacket every time. **Kit** includes Presser, 4, 6 & 8 contact dies, and 600 various plugs.

Cat. No.	Description	Each
471-004	Standard Pressing Kit	$655.00
471-003	Presser w/Holster & #6 & #8 Dies	294.00
471-001	Presser w/Holster & #4 & #6 Dies	289.00
471-005	#4 Die for Handset Plugs	38.75
471-004	#6 Die for RJ-11 Plugs	38.75
471-002	#8 Die for RJ-45 Plugs	54.25
471-006	#A8 Die for AMP RJ-45 Plugs	56.50
471-01e	Connector Presser only	211.00

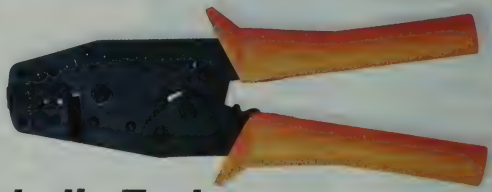


TROMPETER ELECTRONICS, INC

12-Point BNC/PL11 Center Contact Crimper

The most effective crimp tool for crimping center conductor pins on BNC, TNC and PL11 connectors. The 12-point system has four positions of three rows of indentations. This achieves the maximum pull strength for the center pin and greatly reduces any chance of failure. The full cycle ratchet ensures a complete and perfect crimp every time. Cushioned grips.

Cat. No.	Description	Each
129-009	12-Point BNC/PL11 Center Contact	$86.00



Paladin Tools®
Wire Ferrule Crimp Tool

Designed to crimp both insulated and non-insulated wire ferrules. Made of durable steel construction for long life and has ergonomic handles for low-effort operation. A fixed steel die system eliminates the need for purchasing additional dies. Range of tool is 10-24 AWG.

Cat. No.	Description	Each
497-025	Wire Ferrule Crimp Tool	$150.00

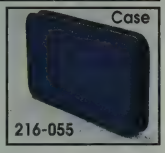


JENSEN®

Lifetime Guarantee

700 Series Crimp Tool Frame

- All steel construction
- Terminate coax, RS-232, fiber optic, modular, insulated terminals
- Full cycle ratchet action



NOTE: Dies and Carrying Case sold separately. See below.



Cat. No.	Description	Each
600-700	Crimp Tool Frame	$42.00

Crimp Tool Dies & Carrying Case*

Cat. No.	Mfr. No./Description	Each
	Modular Plug Die Sets, 2 piece	
600-556	30-556 6 Position (RJ-11) Die Set	$36.00
600-558	30-558 6 Position MMJ DECconnect (RJ-11 w/Offset Latch) Die Set	36.00
600-559	30-559 8 Position (RJ-45) Crimps Both Strain Reliefs	36.00
600-560	30-560 8 Position (RJ-45) Crimps Both Strain Reliefs on AMP Plugs	36.00
600-561	30-561 10 Position (RJ-45) Crimps Both Strain Reliefs	36.00
	Fiber Optics Plug Die Sets, 2 piece	
600-210	30-597 SMA, Fits AMP Plugs (Round 0.195")	19.95
600-209	30-596 SMA, SMB, SFR (Hex 0.151, 0.178, 0.213")	19.95
	Coaxial Plug Die Sets, 2 piece	
600-201	30-581 RG-58, 59/62, BNC & TNC (Hex 0.255, 0.213, 0.068")	19.95
600-006	30-591 RG-58, 59/62, BNC & TNC (Hex 0.213, 0.190, 0.068, 0.042")	19.95
600-212	30-577 RG-8/11 N-series Thicknet (Hex 0.429, 0.100, 0.080")	$19.95
600-002	30-578 RG-59, 6, and 8281 50 and 75Ω (Hex 0.324, 0.255, 0.068, 0.042")	19.95
600-005	30-576 RG-174, Mini 59 BNC/TNC (Hex 0.178, 0.128, 0.068")	19.95
600-105	30-582 RG-59, 6 F-Series (Hex 0.350, 0.320, 0.255")	19.95
	Other Connectors	
600-214	30-579 Insulated Terminals, Red, Blue, Yellow 22-10 AWG	19.95
600-019	30-586 Open-Barrel, Molex Style Pins, 22-12 AWG	19.95
600-205	30-599 Open-Barrel, Pins & Sockets, 18-30 AWG	36.00
	Optional Carrying Case	
216-055	10 1/4" x 6" x 1 1/4"	15.00

*Dies are not covered by lifetime guarantee.

CrimpMaster™ Industrial Grade Crimp System

IDEAL

- Hand-machined dies for precision
- Ratchet action for consistent crimps

Cat. No.	Mfr. No./Description	Each
600-200	30-506 CrimpMaster Frame only (req. one or more die sets)	$39.95



NOTE: Dies sold separately. See above.

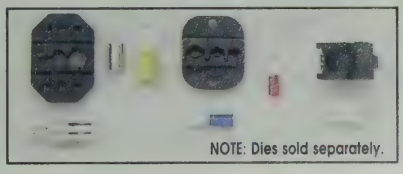
SARGENT

4100 Series Crimp Tool

- Terminate coax, modular, CATV, insulated terminals
- Full cycle ratchet action

Cat. No.	Description	Each
685-400	Crimp Tool Frame only, 17 1/2 oz.	$51.00
685-406	RJ-11 (4/6 Position) 1 pc. Die only	26.00
685-408	RJ-45 (8 Position) 1 pc. Die only	26.00
685-420	Insulated Terminal Die Set, (10-22AWG) (Crimps Conductor only)	26.00
685-440	Insulated Terminal Die Set, (10-22AWG) (Crimps Conductor and Strain Relief)	26.00
685-466	RG-58/59/62 Coax Die Set, (.042, .068, .213, .255")	26.00
685-467	RG-59/8281 Coax Die Set, (.042, .068, .255, .324")	26.00
685-469	RG-8 Coax Die Set, (.068, .080, .100, .429")	26.00
685-470	RG-8 Plenum (Thicknet) Die Set (.092, .412")	26.00
685-472	RG-59/6 CATV Coax Die Set (.324, .360")	26.00
685-476	RG-58/59 Coax Die Set, (AMP Round .044, .050, .206, .238")	26.00





NOTE: Dies sold separately.

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Dies sold separately

Paladin Tools®

CrimpALL™ 8000 Series Crimp Tool

- Smaller grip on handles for small hand operation
- Higher crimp force with lower hand force application
- Soft rubber-embedded handles for comfortable grip
- Fine blanking manufacturing of frame to ensure long life-span

Cat. No	Description	Each
497-031	CrimpALL 8000 Series Crimp Tool	$43.00
497-032	RJ45 (8 position) Die	21.00
497-033	RJ45 (8 position) Die for AMP Plugs	21.00
497-034	RJ11 (6 position) Die	21.00
497-035	Insulated Terminal 22-10AWG Die	21.00
497-036	Non-Insulated Terminal 22-8AWG Die	21.00
497-037	RG58,59,62 BNC/TNC Die (.256, .213, .068") Hex	21.00
497-038	RG59, 6 CATV "F" Die (.346, .315, .256") Hex	21.00
497-039	RG6, RG6 Quad BNC & CATV "F" Die (.360, .324, .068") Hex	21.00
418-820	RG174, RG59/62, HDTV & BNC/TNC Die (.255, .197, .178, .068, .042"sq) Hex	21.00
418-821	RG59/6, HDTV & BNC/TNC, "F" Die (.324, .255, .068, .052sq, .042"sq) Hex	21.00
418-822	RG6, HDTV & BNC/TNC Die (.278, .275, .068, .042"sq) Hex	21.00



Thomas&Betts

Snap-N-Seal® Installation Tool & Environmentally Sealed Connectors

- Minimizes signal leakage
- Perfect for outdoor & indoor applications

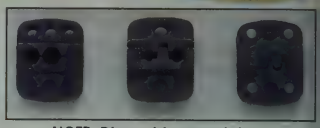
Snap-N-Seal® connectors are environmentally sealed to protect [illegible] from harsh environments. Through a unique 360° compression process, Snap-N-Seal® connectors also offers signal leakage protection required for today's demanding systems. The IT1000 includes a built in stripper to prepare the cable and the crimper to properly install the connectors.

Cat. No.	Description	Each
[illegible]	IT1000 Crimp/Strip Tool	$68.95
[illegible]	RG6 Snap-N-Seal® "F" Connectors, 50/pk.	34.00
[illegible]	RG6QS Snap-N-Seal® "F" Connectors, 50/pk.	34.00
[illegible]	RG59 Snap-N-Seal® "F" Connectors, 50/pk.	34.00



SARGENT®

2100 Series Crimp Tool



NOTE: Dies sold separately

- Terminate coax, RS-232, fiber optic, modular, insulated terminals
- Full cycle ratchet action

Cat. No.	Description	Each
685-100	Crimp Tool Frame	$51.00
685-101	RJ-11 (4/6 position) Modular Die	26.00
685-102	RJ-11 Long Body Modular Die	26.00
685-103	RJ-45 (8 position) Modular Die	26.00
685-104	10 Position Modular Die	26.00
685-105	RS-232 Hi Density D-Sub Contacts, Open Barrel with Positioner	33.00
685-106	RS-232 D-Sub Contact, Open Barrel (20-28AWG) with Positioner	33.00
685-107	Open Barrel "Pinned" Die Set (14-24AWG)*	26.00
685-108	Insulated Terminals Die only (14-22AWG)	26.00
685-109	RG-58/59/62 Die (PVC) .068", .213", .255"	26.00
685-110	RG-58/59/62 Die (Plenum) .042", .068", .190", .213"	26.00
685-111	RG-59/8281 Die .068", .255", .324"	26.00
685-112	RG-174/Fiber Optic Die .042", .068", .100", .128", .178"	26.00
685-113	Fiber Optic Die only, .151", .178", .213"	26.00
685-114	Wire Tip Ferrule Die (10-28 AWG)	26.00

*Pinned dies do not have lifetime warranty. Set comes with 4 pins which should be used when installing in frame for proper alignment.



SARGENT®

Super Crimp Coax Cable System

- Terminates most commercially available coax connectors

Ergonomically designed crimping tool, accommodates the following sizes: sq., .042" hex .068, .080, .100, .128, .151, .178, .213, .255, .324, and .429". Kit comes in fitted storage box with a chart in the lid indicating which RG Cable designation is accommodated in each die cavity. Includes stripping tool.

Cat. No.	Mfr. No./Description	Each
685-415	TK4150 Super Crimp Coax Cable System	$250.00



JENSEN®
Lifetime Guarantee

Termination Kits

➥ Special tool selections ➥ Cordura® Plus cases

Overall case size is 11 x 6½ x 3" with two outside pockets, each 8½ x 6½ x 2".

1-302 Tools in boldface italic backed by Jensen's Lifetime Guarantee

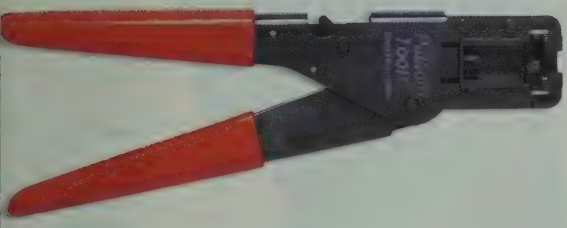
Crimper, RJ-11/45 Stripper/cutter
Scissors, electrician's, strip-jaw
Screwdriver, Phillips, pocketclip, #0
Screwdriver, slotted pocketclip, 3/32"
Parts box, 5-compartment
Tool case, Cordura Plus

1-301 Tools in boldface italic backed by Jensen's Lifetime Guarantee

Crimp tool frame
Crimp tool die, RG-58/59/62
Coax stripper, 3-step, RG-58/59/62/6
Parts box, 5-compartment
Stripper/cutter
Tool case, Cordura Plus

Cat. No.	Description	Each 1-4	5-9
1-302	RJ-11/RJ-45 Modular Termination Kit*	$118.00	$109.00
1-301	Coaxial Termination Kit*	129.00	119.00
54-462	Cordura Plus Case only	40.00	37.00

*Lifetime Guarantee on Tools and Frame only.



Paladin Tools®

SealTite™ - 59/6 Crimp Tool

Performs snap crimping of waterproof CATV "F" connectors for RG59 and RG6 75 ohm coaxial cables. A fully ratcheting one-cycle crimp function ensures a positive crimp each time. Works on Augat/T&B Snap-N-Seal™ connectors, AIM CATV "F" waterproof connectors and Paladin SealTite™ connectors.

Cat. No.	Description	Each
197-105	SealTite™ - 59/6 Crimp Tool	$45.00



JENSEN®
Lifetime Guarantee

Crimp Kits

➥ Ratchet cycle insures perfect crimps
➥ Zipper case holds tool and dies

Telco Kit contains crimp tool frame, one piece die for RJ-11 (4/6 position) and RJ-45 (8 position). Other dies available (see page 163).

Coax Kit contains crimp tool frame and die set for RG-58/59/62, PVC and plenum. Other dies available (see page 171).

Cat. No.	Description	Each
23-231	Crimp Kit for Telco*	$99.00
23-233	Crimp Kit for Coax*	99.00

*Lifetime Guarantee on Frame only.



IDEAL®

10BASE-T Tool Kit

➥ Complete and easy-to-carry ➥ Fast, accurate crimps

Kit features RJ-45 crimper, twisted pair cable stripper, cable cutter, 100 RJ-45 plugs, and round stranded wire.

Cat. No.	Mfr. No./Description	Each
600-035	33-652 10BASE-T Tool Kit	$230.00

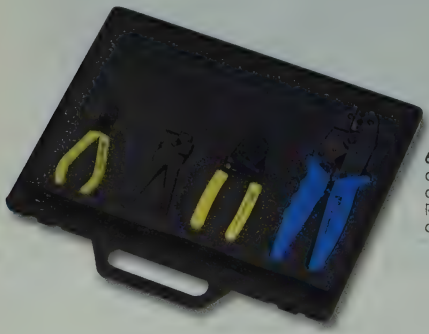
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Fax Lines: 800-366-9662 • 602-438-1690

Integrated Cabling Tool Kits

Whatever type of cables you repair or terminate, we have the right tool kit for you. Carefully selected, quality tools from Ideal ensure the job is done right the first time. Each tool carries a lifetime warranty (excluding stripper and punch-down blades, and testers) so you know they're rugged. Each kit is housed in a case with die-cut foam.



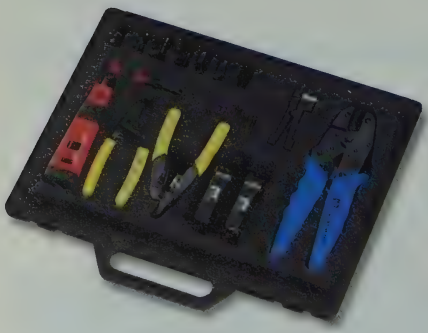
600-010 — Crimper with RG-58/59/62, RG-8/11 diesets, crimper with RJ-45, RJ-45 AMP and RJ-11 diesets, coax stripper, RG-8/11 stripper, cutter/stripper for flat satin, coax and twisted pair stripper, center conductor cutter, coax cutter.



600-003 — Coax cutter, center conductor trimmer, RG-58/59, crimper, coax stripper.



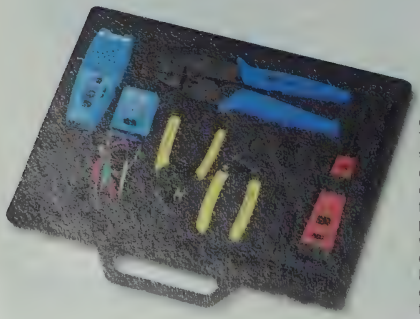
600-012 — Crimper with RG-58/59/62, RJ-45 and RJ-11 diesets, coax stripper, center conductor cutter, coax cutter, tone generator, tone tracer, wiring verifier, punch-down tool with 66 and 110 blades, coax and twisted pair cable tester.



600-008 — Crimper with RG-8/11, AMP RG-58 round, RG-58/59/62, RJ-11, RJ-45, RJ-45 AMP, MMJ diesets, coax stripper, RG-8/11 stripper, coax cutter, cutter/stripper for flat satin, punchdown tool with 66 and 110 blades, coax and twisted pair stripper.



600-144 — Crimpmaster™ BNC/TNC tool, RG-8/11 die set, line cord stripper, coax strippers, center conductor cutter, round cable cutter, RJ-45 crimp tool, RJ-11 die set amplifier probe, punch-down tool with 66 and 110 blades, wiring verifier, Smart6™, Data8™ modular adapters, Pathfinder™ tester and remotes, Phillips screwdriver, and UTP/STP stripper.



600-007 — Tone generator, tone tracer, coax cutter, cutter/stripper for flat satin, punch-down tool with 110 blade, crimper with RJ-11 and RJ-45 dies, coax and twisted pair stripper.

Cat. No.	Description	Each
600-003	Basic Coax Termination Kit	$153.00
600-007	Voice and Data Termination Kit	295.00
600-008	Coax and Twisted Pair Termination Kit	379.00
600-010	Coax and Twisted Pair Termination Kit	285.00
600-012	All-in-One Termination Kit	463.00
600-144	Jumbo LAN Installer's Kit	960.00

More Telecom Kits on pp. 37-41

CoaxReady Deluxe Kit



Perfect for Cable TV, HDTV and other video or Ethernet installations in a convenient zipper kit. Includes crimp tool frame, RG58/59/62 die set, mini-coax RG58 Plenum, mini-59, RG174 die set, HDTV BNC/TNC/CATV "F" die set, cable cutter, coax cable stripper, and a Coax-Check® remote tester.

Cat. No.	Description	Each
497-041	CoaxReady Deluxe Kit	$169.95

Data/Voice PRO Kit



A complete data and voice installation kit providing everything for cutting, stripping, crimping, terminating, and tracing data and telephone (voice) cables and modular plug cable systems. Included is a crimp tool frame, RJ45 & RJ11 dies, UTP/STP round cable stripper/cutter, SurePunch™ punchdown tool with 110 & 66 blades, speaker probe with volume control, tone generator, flat cable cutter/stripper, round cable cutter and operating manual.

Cat. No.	Description	Each
497-042	Data/Voice Pro Kit	$296.95

DataReady Kit



This kit provides everything needed (excluding cable) for a CAT5 installation. Included is an all-in-one telephone crimp tool, impact punchdown tool with 110 & 66 blades, cutter/stripper, Patch-Check® cable tester and 20 Category 5 RJ45 standard plugs, all included in a case.

Cat. No.	Description	Each
497-040	DataReady Kit	$184.00



BroadcastReady™ Kit

Includes professional tools for cutting, stripping, crimping and testing coaxial cable connections for HDTV, video and RF communications. Frame includes a die for RG58/59/62AU and four additional dies that crimp from RG174 to RG6, and NT725 to Belden 8281. Works with connectors from Amphenol, ADC, Kings, AIM/Cambridge, AMP and others. Three stripping cassettes are included to handle N-type, BNC/TNC and HDTV connectors. A professional cable cutter with non-deforming cutting blades and a Coax-Check® remote cable tester with BNC adapters is also included. Kit is protected by a padded, zipper case.

Cat. No.	Description	Each
497-030	BroadcastReady™ Kit	$299.95



Premise Service Kit

A complete data, voice and coax installation kit providing everything for cutting, stripping, crimping, terminating, testing, and tracing data and telephone (voice) cables, modular plug cable systems, and RG58/59/62 coaxial cable systems. Includes crimp tool frame, RJ45 & RJ11 die sets, RG58/59/62AU coax die set, round cable cutter/stripper, coax cable stripper, SurePunch™ punchdown tool with 110, 66, & combination 110/66 blades, speaker probe with volume control, LAN ProNavigator™ cable tester with remote, flat satin cable cutter, round cable cutter and operating manual.

Cat. No.	Description	Each
497-043	Premise Service Kit	$395.95

More Telecom Kits on pp. 37-41

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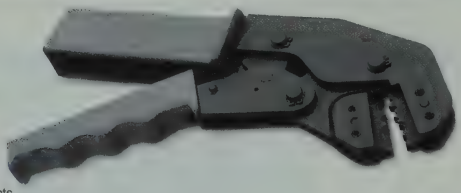


FCI
BURNDY Products

Y500CT Hydraulic Crimp Tool

Provides 6 tons of force for applying splices, taps or terminals: #8~500kcmil copper strand, #8~350kcmil Flex or #8~4/0AWG aluminum. The head can rotate 180° for access. Audible indication of completed crimps. 15.1" long, 6 lbs. Two year warranty.

Cat. No.	Mfg. No./Description	Each
181-500	Y500CT Hydraulic Crimper w/o dies	$1125.00
181-525	W25VT Die for 1/0 Copper	90.00
181-528	W28VT Die for 4/0 Copper	90.00
181-502	W2CVT Die for #2 Copper	90.00
181-501	W-C Die	85.00



FCI
BURNDY Products

Terminal Crimper

A full-cycle ratchet crimper designed to apply uninsulated terminals and splices from #8~22AWG. 9 1/2" long, 1.2 lbs. 5 year warranty.

Cat. No.	Mfg. No./Description	Each
181-008	Y8MRB-1 Ratchet terminal crimper	$175.00



FCI
BURNDY Products

Terminal Crimper

Ratcheting crimp tool designed to apply insulated terminals in the size range 10~22AWG. Easy identification of proper crimp cavity via color dot's. Tool is UL listed for use with Burndy connectors. 8.9" long, 1.1 lbs. 5 year warranty.



Cat. No.	Mfg. No./Description	Each
[illegible]	MR15 Insulated Terminal Crimper UL	$175.00



FCI
BURNDY Products

Y750 12 Ton Hydraulic Crimper

The Revolver Hypress tool has a wide mouthed, C-shaped infinitely rotatable head for all compression applications. Designed for easy tapping, splicing and terminating of overhead lines as well as grounding system connectors, NEC connections and N30-N650 Navy cable. The tool is covered with rubber and the **181-752** has a rubber covered crimp head. 25.5" long, 16 lbs. Two year warranty.

Cat. No.	Mfg. No./Description	Each
181-750	Y750 Hydraulic Crimper	$1675.00
181-752	Y750-2 Hydraulic Crimper w/Insulated Head	1675.00

Die Sets for Y750

Cat. No.	MFG.#	Wire Size	Color Code	Each
17-100	U-C	2-14	Brown	$217.80
17-104	U-1104	500-14	Brown	223.68
17-111	U-11T-1	8-14	Green	223.68
17-654	U-654	250-14	Purple	134.20

Cat. No.	Mfg. #	Wire size	Flex	Color code	Each
181-100	U-8CRT	8		Red	$110.00
181-101	U-5CRT	6		Blue	110.00
181-102	U-4CRT	4		Grey	110.00
181-103	U-2CRT	2		Brown	110.00
181-104	U-1CRT-1	1		Green	110.00
181-105	U-25RT	1/0		Pink	110.00
181-106	U-26RT	2/0		Black	110.00
181-107	U-27RT	3/0		Orange	110.00
181-108	U-28RT	4/0		Purple	110.00
181-109	U-29RT	250MCM		Yellow	110.00
181-110	U-30RT	300MCM	250MCM	White	110.00
181-111	U-31RT	350MCM	300MCM	Red	110.00
181-112	U-32RT	400MCM	350MCM	Blue	110.00
181-113	U-34RT	500MCM	450MCM	Brown	110.00
181-114	U-38RT	535MCM	500MCM	Pink	110.00
181-115	U-36RT	600MCM		Green	110.00
181-116	U-39RT	750MCM	600MCM	Black	110.00



FCI
BURNDY Products

Electrical Crimper

The Y2MR crimper applies HYDENT copper compression connectors is a size range of #8 through #2 Class B or Class I flexible strand copper conductor. It features a color-coded die 'wheel' which spins the proper size crimp cavity into position. Die has embossment for visual inspection of crimps. 10.5" long, 1.5 lbs. 5 year warranty.

Cat. No.	Mfg. No./Description	Each
181-002	Y2MR Crimper	$255.00



Drills sold separately on pages 265-266

ANDREW®

Easiax® Plus Automated Cable Preparation Tools

- For Heliax® Foam Dielectric Cable
- For use with standard power drills

Easiax Plus removes cable jacket, outer conductor, foam dielectric, then cuts back and chamfers the inner conductor to the correct dimensions for connector attachment. Produces cable connections that are more consistent, repeatable, reliable and weatherproof. Fits standard $^{3}/_{8}$ and $^{1}/_{2}$" drill chucks. Blade lasts up to 600 cable preparations.

Cat. No.	Mfr. No./Description	For Cable Type	Each
258-273	CPTL5A Easiax-Plus Automated Cable Preparation Tool	LDF5-50A	$205.00
258-274	CPTL6 Easiax-Plus Automated Cable Preparation Tool	LDF6-50	205.00
258-275	CPTL7 Easiax-Plus Automated Cable Preparation Tool	LDF7-50	225.00
258-669	CPT-F4A Easiax-Plus Automated Cable Preparation Tool	FSJ4-50B	150.00

Thomas&Betts

TBM15I 15 Ton Hydraulic Tool



- Available with an insulated head
- Runs off of existing 10,000 PSI hydraulic pumps

Featuring a new longer, slimmer profile, that allows easier access into tight spaces. A wider jaw opening eases crimping of large lugs, C taps and H taps and uses all the existing interchangeable T&B 15500 and 15600 series dies and adapters. May be used to install copper and aluminum lugs and will splice up to 1000 KCMIL, C and H taps and grid ground connectors.

Cat. No.	Description	Each
462-150	TBM15I 15 Ton Hydraulic Tool	$3850.00

Thomas&Betts

Battpac™ LT 6-Ton Powered Compression Tool Kit



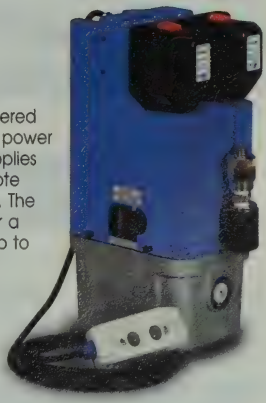
- Rotating crimp head for easy access in confined spaces
- Single-handed operation for maximum ease and comfort
- Uses a common Ni-Cd 14.4V battery

The new powered crimp tool weighs only eight pounds (including battery), which allows single-handed operation. Use your free hand to control the operation and position the connector with greater ease. Well balanced for greater control during operation. A quiet, vibration-free crimping cycle, for smooth installations. A maximum pressure relief valve insures correct crimping. The integral battery gauge alerts the user to power conditions. Interchangeable dies allow you to crimp a wide variety of wire gauges. The unique die design optimizes the number of crimps between recharges. Kit includes two batteries, charger, shoulder strap, wrist strap, carry case, and 16 dies that range from 8awg to 500 MCM (copper) and 10awg to 350 MCM (aluminum).

Cat. No.	Description	Each
462-090	Battpac™ LT 6-Ton Powered Compression Tool Kit	$3500.00

Thomas&Betts

Battpac Pumpac™ II



- High pressure, completely portable operation
- Powered by dual 14.4 volt rechargeable batteries

The new Pumpac™ HD battery-powered hydraulic pump comes with improved power capabilities. Rated for 10,000 PSI, it supplies enough strength to power all the remote hydraulic heads in the T&B tooling line. The powerful 28.8 volt battery delivers over a hundred crimps with a 4/0 cable, or up to seventy crimps with 750 MCM cable without recharging. The batteries can be recharged and ready to go in just one hour. A push button remote control will allow the operator to advance, hold or retract when needed, and a high pressure hose connects to a 360° swivel port, giving the hose more flexibility in confined spaces.

Cat. No.	Description	Each
462-080	Battpac Pumpac™ II	$4850.00
462-081	Hand Switch - 10ft.	195.00
462-155	Foot Switch - 10ft.	253.00
462-082	Non-Metallic Hose - 10ft.	231.00
462-154	Non-Metallic Hose - 20ft.	385.00

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Color-Keyed Compression Tools with Dies

462-010 installs copper lugs and splices from #8 to #2 C taps, 54705 to 54725. Aluminum lugs and splices from #10 to #6. Five dies, Shure-Stake system.

462-011 installs on copper #8 to 250 MCM lugs, splices and taps and on aluminum from #10 to 4/0. Includes dies.

462-012 installs copper lugs from #8 to 500 MCM, aluminum from #10 to 350 MCM. Tool includes dies and case.

Cat. No.	Mfr. No./Description	Each
462-010	TBM25S Compression Tool, Blue	$212.00
462-011	TBM5S Compression Tool, Red	532.00
462-012	TBM8S Compression Tool, Red	1155.00



Color-Keyed Compression Tools

Compression tools install 63105 through 63140 H taps, #8 through 500 MCM copper and #10 through 350 MCM aluminum lugs, splices and taps. Comes in carrying case. Dies sold separately.

Cat. No.	Mfr. No./Description	Length	Weight	Each
462-001	TBM6S Compression Tool, Red	26"	21 lbs.	$582.00
462-002	TBM60RS Compression Tool, Blue	20"	6 lbs.	626.00
462-003	Die Kit (Includes all listed plus 13478)	–	–	545.00
462-004	Upper Die 13472	–	–	85.00
462-005	Upper Die 13473	–	–	85.00
462-006	Upper Die 13474	–	–	85.00
462-007	Upper Die 13475	–	–	85.00
462-008	Lower Die 13476	–	–	85.00
462-009	Lower Die 13477	–	–	85.00



Color-Keyed Hydraulic Compression Tools

Self-contained hydraulic tools installs copper and aluminum Color-keyed connectors. Lugs and two-way connectors to 750 MCM, grid connectors through 250 MCM, 5/8" rod. C taps through #54775 and H taps through #63150. Develops 14 tons of force. Dies sold separately. Carrying case.

Cat. No.	Mfr. No./Description	Each
462-014	TBM14 Compression Tool w/Insulated Head	$1929.00

Die Sets

Cat. No.	Code	Wire Size	Color	Each
462-042	80R H-Tap	250-2	Purple	$110.00
462-043	71R H-Tap	2-6	Brown	110.00
462-044	37R H-Tap	8-14	Green	110.00
462-015	21	8	Red	110.00
462-016	24	6	Blue	110.00
462-017	29	4	Gray	110.00
462-018	33	2	Brown	110.00
462-019	37	1	Green	110.00
462-020	42H	1/0	Pink	110.00
462-021	45	2/0	Black	110.00
462-022	50	3/0	Orange	110.00
462-023	54H	4/0	Purple	110.00
462-024	62	250 MCM	Yellow	110.00
462-025	66	300	White	110.00
462-026	71H	350	Red	110.00
462-027	76	400	Blue	110.00
462-028	80	–	–	110.00
462-029	87H	500	Brown	110.00
462-030	94H	600	Green	110.00
462-031	96	–	–	110.00
462-032	99H	535	Pink	93.00
462-033	106H	750	Black	110.00
462-034*	107H	800	Orange	122.00
462-035*	112H	–	Purple	110.00
462-036*	115H	900	Yellow	93.00
462-037*	125H	100	–	93.00

*Dies for TBM15I only.

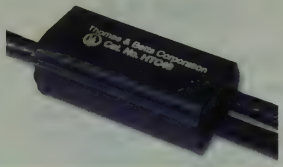
14 Ton Battery Powered Compression Tool



This is a self-contained battery operated 14 ton compression tool. Its 1.65" jaw accepts mid-span copper and aluminum splices and cables up to 750 MCM. Press the trigger and the hydraulic ram applies 14 tons of force, so you get the same crimp every time. Virtually eliminate operator fatigue and strain from applying lugs and splices.

The tool head swivels 360° to get into cramped areas. Whether you're in a building, up a pole or down in a vault, the simple operation will make fast work of your splicing. The tool accepts all Thomas and Betts shell type dies and comes complete with carrying strap, carrying case, two battery packs, and 15 minute charger.

Cat. No.	Mfr. No./Description	Each
462-614	TBM14BSCR 14 Ton Compression Tool	$5350.00



Insulating Covers for H-Tap and C-Tap Connectors

Cat. No.	Part No.	Each
462-219	HTC25 Insulating Cover	$5.00
462-220	HTC40 Insulating Cover	9.75
462-221	HTC500 Insulating Cover	19.25
462-222	HTC40L2 Insulating Cover	10.00



H-Tap Connectors

Cat No.	Part No.	Color Key	Conductor Size	Cover Cat No.	Each
462-210	CHT750350-2	Yellow	750-500	462-221	$36.50
462-211	CHT75010-3	Yellow	750-350	462-221	36.50
462-212	CHT50040-4	Brown	500-250	462-221	28.50
462-213	CHT50010-5	Brown	500-4/0	462-221	26.50
462-214	CHT2502-6	Purple	250-2	462-220	10.25
462-215	CHT25014-7	Purple	250-2	462-220	10.25
462-216	CHT250214-8	Purple	250-2	462-220	10.25
462-217	CHT214-9	Brown	2-6 Str/Sol	462-219	8.00
462-218	CHT814	Green	8-14	462-219	4.50



C-Tap Connectors

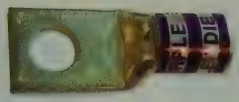
These taps assure positive, all around compression with low resistance and high pullout values.

Cat No.	Part No.	Color Key	Cover Cat No.	Each
462-203	54715	Gray	462-219	$1.70
462-204	54720	Brown	462-220	2.00
462-205	54730	Pink	462-220	2.80
462-206	54740	Orange	462-222	4.00
462-207	54745	Purple	462-222	4.75
462-208	54755	Blue	462-220	9.00
462-209	54760	Brown	462-220	12.25



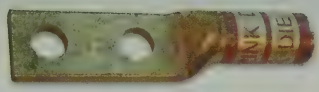
One-Hole Lugs - Long Barrel

Cat No.	Part No.	Color Key	Conductor Size/Bolt Size	Each
462-223	54930BE	Red	#8 / 1/4"	$1.50
462-224	54905BE	Blue	#6 / 1/4"	1.20
462-225	54906BE	Gray	#4 / 1/4"	1.60
462-226	54913BE	Yellow	250 KCMIL / 1/2"	7.00
462-227	54915BE	Red	350 KCMIL / 1/2"	8.00
462-228	54918BE	Brown	500 KCMIL / 1/2"	11.75



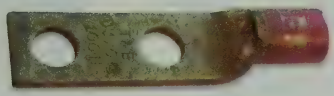
One-Hole Lugs - Short Barrel

Cat. No.	Part No.	Color Key	Conductor Size/Bolt Size	Each
462-229	54104	Red	#8 / 10	$1.25
462-230	54130	Red	#8 / 1/4"	1.25
462-231	54134	Blue	#6 / 10	1.25
462-232	54105	Blue	#6 / 1/4"	1.25
462-233	54106	Grey	#4 / 1/4"	1.50
462-234	54107	Brown	#2 / 1/4"	2.75
462-235	54143-TB	Brown	#2 / 3/8"	2.75
462-236	54108	Green	#1 / 1/4"	3.00
462-237	54109	Pink	1/0 / 3/8"	3.00
462-238	54110	Black	2/0 / 3/8"	3.50
462-239	54111	Orange	3/0 / 3/8"	4.25
462-240	54112	Purple	4/0 / 3/8"	4.75
462-241	54174	Yellow	250 KCMIL / 3/8"	6.00
462-242	54179	White	300 KCMIL / 3/8"	6.75
462-243	54115	Red	350 KCMIL / 1/2"	6.75
462-244	54118	Brown	500 KCMIL / 1/2"	9.50



Two-Hole Lugs - Long Barrel

Cat. No.	Part No.	Color Key	Conductor Size/Bolt Size	Each
462-245	256-30695-1298	N/A	#14-10 / 1/4"	$10.00
462-246	54850BE	Red	#8 / 1/4"	2.50
462-247	256-30695-1158	Blue	#6 / 3/8	3.75
462-248	54854BE	Gray	#4 / 1/4"	3.70
462-249	256-30695-1160	Brown	#3-2 / 3/8"	4.50
462-250	54862BE	Black	2/0 / 1/2"	5.75
462-251	54866BE	Purple	4/0 / 1/2"	7.25
462-252	54872BE	Red	350 KCMIL / 1/2"	10.75
462-253	54876BE	Brown	500 KCMIL / 1/2"	15.25
462-254	54880BE	Black	750 KCMIL / 1/2"	24.75



Two-Hole Lugs - Short Barrel

Cat. No.	Part No.	Color Key	Conductor Size/Bolt Size	Each
462-255	54204	Red	#8 / 10	$2.00
462-256	54205	Blue	#6 / 1/4"	2.75
462-257	256-30695-253	Blue	#6 / 3/8"	8.00
462-258	54206	Grey	#4 / 1/4"	3.00
462-259	256-30695-255	Grey	#4 / 3/8"	8.50
462-261	54207	Brown	#3-#2 / 1/4"	3.50
462-262	256-30695-257	Brown	#3-#2 / 3/8"	11.00
462-263	54208	Green	#1 / 1/4"	4.50
462-264	54209	Pink	1/0 / 3/8"	4.50
462-265	54210	Black	2/0 / 3/8	4.75
462-266	54212	Purple	4/0 / 3/8"	6.50
462-267	54213	Yellow	250 KCMIL / 3/8"	8.25
462-268	54282	Red	350 KCMIL / 1/2"	10.50
462-269	54286	Brown	500 KCMIL / 1/2"	15.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
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ShortStop Cable Fault Finder



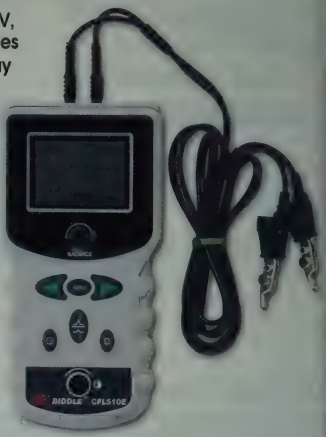
- **Find distance to opens & shorts**
- **Tests all common cables**

Now a truly easy to use and affordable TDR is available for contractors, electricians, cable and alarm installers who need to test for opens and shorts in all types of wire including Coax, 2 wire shielded, twisted multi-pair and AC wire. It will measure cable length on spools, in the wall and on the ground, as well as inject a tone onto the line for cable tracing. Adjustable VOP allows for more accurate readings. It is water-resistant; input protected to 250 VAC and gives an audible indication of shorted wires and hazardous AC voltage. Unit includes four AA batteries and a clip lead adapter.

Cat. No.	Description	Each
166-001	ShortStop Cable Fault Finder	$349.00

For replacement batteries, see page 311

BIDDLE INSTRUMENTS Handheld TDR



- **Perfect for Telecom, CATV, wireless and power cables**
- **Large easy-to-see display**

This battery powered, handheld TDR can identify many types of faults on any cable consisting of at least two insulated metallic conductors. It has internal matching networks of 25, 50, 75 and 100 Ohms. The balance and velocity of propagation controls allow you to closely match any cable. It has a measurement range of 30 to 9000' with resolution of four inches. The unit autoranges around the cursor giving the best view of the fault. The large back lit display is easy to read. Includes case, leads, manual and 6 AA batteries. 9 x 4.5 x 1.9", 1.3 lbs.

Cat. No.	Mfr. No./Description	Each
293-501	510E TDR	$1450.00

For replacement batteries, see page 311

MICROTEST® MICROSCANNER™ Pro



- **All-in-one Cable & Network Tester**

It can test both coaxial and all twisted pair cable and even troubleshoot any other two-wire networks like speaker wires, security networks or telephone cabling. It measures length and distance to fault, using true TDR for the most accurate reading. The TDR can even be used to inventory cable or perform job costing on installed cable.

The MICROSCANNER™ Pro tests wiremap for crossed and split pairs on twisted pair cables and finds opens and shorts on all cabling. It has four unique toners for finding hidden cabling. With the room/office identifiers you can easily determine routing at the patch panel and document twisted pair and coax networks easily. A key feature is the detection of active 10/100 networks and identifies whether the network is running at 10 or 100Mbps and identifies if it is half or full duplex capable. It will even flash the hub port lights for easy identification. **MICROSCANNER™ Pro for IT/network managers** also includes 6 dual UTP/Coax room identifiers and a carrying case.

Cat. No.	Description	Each
589-070	MICROSCANNER™ Pro	$399.00
589-071	MICROSCANNER™ Pro for IT/network managers	539.00
589-072	Base Wire Adapter	19.00
589-073	Carry Case	29.00
589-074	Office/Room ID Kit	119.00

BIDDLE INSTRUMENTS MEGGER® CLM200 Cable Length Meter



- **Measures cable length to 6,000 feet**

A handheld unit that measures the length of telecommunication, data communication, RF, small signal and power cables on drums, in cut lengths or in installed sections. Ergonomically designed, robust and simple to operate. Measures up to 6,000 feet and will detect and give distance to fault for opens and shorts. The CLM200 is pre-programmed with the characteristics of 26 different standard cables to achieve the most accurate results, however, cable impedance and velocity factor are also user selectable to ensure that any cable construction and type can be measured. Includes male and female BNC connectors and an alligator clip adapter for stranded cables. 8 x 3 x 1.5".

Cat. No.	Description	Each
293-025	MEGGER® CLM200 Cable Length Meter	$325.00

JENSEN®
LanRover Cat5 Cable Tester

- Tests for opens, shorts, reversals, mis-wires and split pairs
- Test results displayed on both main and remote



When a connection from the main unit to the remote is sensed, testing begins automatically. The LED for each pair will either be ON, OFF or Flashing on both the main unit and remote. ON LED indicates a good pair, OFF LED indicates an open pair and a FLASHING LED indicates a bad pair. If a pair is bad, one or more of the fault LEDs will be flashing to indicate the type of fault. Holding down the tone button enters the debug mode. The pairs are stepped through one at a time to display connection and fault information on a pair by pair basis. A quick press of the tone button will induce a tone on all pairs. Tests both STP and UTP cables and comes with patch cables. Adapter for testing coaxial cables is available.

Cat. No.	Description	Each
414-011	LanRover Cat5 Cable Tester	$80.00
414-012	Coax Adapter	8.00



JENSEN®
LanRover Pro Cat5 Cable Tester

- Full alphanumeric LCD display
- Length measurement capability

A Cat5 cable tester that will test for shorts, opens, miswires, reversals and split pairs errors. The 2 line by 16-character alphanumeric LCD with icons and four control buttons provides the results in a very easy to read and user friendly display. The cable test results are displayed in wire map form, with remote ID and pass/fail indication. Eight unique remotes are included for mapping while testing. A Pre-Test allows one-ended testing for shorts, opens and split-pairs and the Pro will automatically go into cable test mode when a remote is sensed. Length measurement mode determines the average length of all pairs or the length of each individual pair can also be displayed. Cable parameters can be adjusted by NVP value or by a known length of cable. A tone generator is also included. In this mode, individual pairs or wires can be selected to carry a tone. Single and warble tones may be selected. Kit includes tester,(8) remotes, coax adapter, patch cables and case.

Cat. No.	Description	Each
414-018	LanRover Pro Cat5 Cable Tester	$269.95

DARKSTAR TECHNOLOGIES

WireMap 620 Cable Tester

- Simple one-button operation
- Performs full cable wiremap
- Detects 10Base-T & 100-Base-TX links



Once connected, it looks for it's remote unit (included) at the other end of the cable. Once detected, it performs a full wiremap test including tests for shorts, opens, mis-wires, shield and split pairs. The results are then displayed on the LCD. Both straight-thru and crossover cables are quickly verified.

If the remote is not detected, the 620 tries to establish link with any 10Base-T, 100Base-TX or auto-negotiating device connected at the far end of the cable. Once link is established, the 620 will also display the traffic load on the LCD as a bar graph. If no link partner is detected (and there are no shorts), the 620 will send tone on all four pairs which can be traced with any standard inductive probe. 3.6 x 5.75 x 1.3", 1 lb.

Cat. No.	Description	Each
567-620	WireMap 620 Cable Tester	$399.00

FLUKE networks™

620 CableMeter



Upon installing a connector, you can test the connection for shorts, opens, and split pairs. No connector or loop back is required on the other end of the cable, saving time and money. Determine length and distance to fault on twisted pair cable.

Kit includes carrying case, Category 5 patch cable, female RJ-45 coupler, loop back/cable identifier #1, two AA batteries and user manual. 7.25 x 3.9 x 1.8", 12.5 oz. One year warranty.

Cat. No.	Mfr. No./Description	Each
317-620	620 CableMeter Kit	$595.00
317-621	Cable Identifiers for 620 #2-4	90.00
317-622	Cable Identifiers for 620 #5-8	120.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
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Independent Technologies Test-All IV



- Four pair testing
- Switch selectable pair and test function
- Line voltage, pair continuity, audio tone injections
- Adapters for 66, 110, and Bix included

Reliable functions for multi-wire system testing. Each pair (USOC configured) has tri-color LED indication for AC/DC line voltage and continuity. Separate pairs can be injected with warble tone for ID tracing. Included remote shorting adapter aids in one man testing of continuity, miswires and reversals. Contains adapters for direct block connection, RJ-45 test jumpers (one each long, short, and with alligator clips), 9V battery, carrying case and operation manual. One year manufacturer's warranty.



Cat. No.	Description	Each
43-900	Test-All IV Cable Tester	$255.00

For replacement batteries, see page 311



SLT-3 Modular Cable Tester

- Our most popular tester
- Two pieces for installed testing

Unique snap-together two piece design allows for testing installed cables easily. The Master unit applies a test voltage to pairs of either 568A, 568B or USOC 4 pair cables. The Remote unit then displays the corresponding green (straight through) or red (crossed over) results on its LEDs. No lights indicate open pair. 9V battery included. One year warranty.

Cat. No.	Mfr. No./Description	Each
178-300	SLT-3 Modular Cable Tester	$140.00
23-605	SLT-3 Case	15.00

For replacement batteries, see page 311



Paladin Tools® Patch-CheckPlus Cable Tester

- Remote testing of voice data media
- Tests cable up to 1200' long

Verifies continuity of each wire (not pairs); identifies open, shorted and cross-connected wires with an LED display and audible signal. Each touch of the button compares one pin on the transmit side to the corresponding pin on the receiver. Includes one transmitter, one receiver, 9V battery and system interconnects for RJ-11, RJ-45 and [illegible].

Cat. No.	Description	Each
[illegible]	[illegible] Cable Tester	$279.00

[illegible] page 311

THE SIEMON COMPANY

STM-8 Handheld Tester



- Test T568A, T568B, USOC, 10Base-T, Token-ring and TP-PMD

Capable of testing up to 2,950' of 1-, 2-, 3- or 4-pair cable for opens, shorts, reversals, miswires and cross-twists. One person can quickly test and identify up to four different cables at one time. Generates tone on any pin and provides talk battery on the center two pins.

The presence of line voltage is indicated on the display to prevent accidental damage to the unit. A low battery indicator is provided, as well as automatic shut-off to preserve the battery. **Optional remote plugs** allow multiple channel testing.

STM-8 Kit consists of a handheld master unit, remote plug "A", in-line coupler, modular cord, wiring reference guide, 9V alkaline battery and padded nylon carrying case.

Cat. No.	Mfr. No./Description	Each
425-201	STM-8 Handheld Modular Test Kit	$230.00
425-202	Optional Remote Plugs ("B","C", "D")	45.00

For replacement batteries, see page 311



PROGRESSIVE ELECTRONICS
468 Modular Cable Tester

- **Tests 258, T568A, T568B, 10BaseT, and USOC**
- **Built-in tone generator**

Designed to test cables terminated with RJ-45 plugs. It cycles through each pair combination continuously and will identify opens, shorts, reversals, and transposed pairs. Tester will even alert the user if it's connected to an active circuit without harming the unit. A tone is placed on each pair and can be picked up at the far end of cable with any inductive amplifier. Battery sold separately.

Cat. No.	Mfr. No./Description	Each
565-468	468 Modular Cable Tester	$120.75
473-005	9V Alkaline Battery (one required)	3.15

Paladin Tools®
LAN ProNavigator™

- **Tests data, telephone and BNC connected cables**
- **Built-in tone generator**

Portable two-piece tester that will test UTP and STP data cable for opens, shorts, crossed wires and split pairs for EIA/TIA-568A, 568B, Token Ring, 10BaseT and USOC. It will also test BNC connected 50 and 75 ohm coax cable for continuity. Contains a simple, one-button operation for Pass/Fail or fault check. Pass/Fail test gives results in one second, which allows technicians to quickly move on to the next test site. Fault Check will provide the full test that indicates the type of fault and which pair(s).

It also provides a tone generator that can be picked up with any tone probe, so that you can easily locate cables. Comes with belt clip and lanyard holes embedded in case to attach to belt or wrist. Auto-off function to preserve battery life. 9V battery not included. **LAN ProNavigator Test Set** includes main and remote units, (2) RJ45 patch cords, (2) BNC coaxial cables, (2) CATV "F"-to-BNC adapters, (1) BNC/BNC adapter, (1) shielded RJ45 coupler and (2) belt clips in a durable case.

Cat. No.	Description	Each
497-007	LAN ProNavigator	$119.95
497-008	LAN ProNavigator Test Set	184.95
473-005	Industrial Alkaline 9V	3.15



567-201



567-220

DARKSTAR TECHNOLOGIES

Pocket Sized Cable Testers

D200 tests 10Base-T, T568 or USOC telecom cables with RJ45 connector types. Bi-color LEDs monitor all four pairs and indicate if correctly wired, reversed, open or shorted.
D220 tests thinnet cables terminated with BNC connectors. First checks for "live" cable by looking for Ethernet packets. It will also check for open or shorted cables and verifies 50 ohm terminators.

Cat. No.	Description	Each
567-201	D200 10Base-T/T568/USOC Cable Tester	$79.00
567-220	D220 BNC Thinnet Cable Tester	99.00

IDEAL

Coax Mini Tester

- **Tests coax cable terminating with BNC connectors**

Quickly and reliably test for opens and shorts on coax cable. There are two modes of operation; standard and Hi-Z for long runs. This allows you to test for 50/75Ω and 500Ω terminators. Small size makes it perfect for technicians to carry. Includes 6V battery and 500Ω terminator.



Cat. No.	Mfr. No./Description	Each
600-158	62-204 Coax Mini Tester	$46.50

BIDDLE INSTRUMENTS

MEGGER® CXT100 Coaxial Cable Tester

- **Indicates which end of cable that fault is present**

A handheld battery-powered unit for testing coaxial cable assemblies. It is suitable for "thin net" applications as well as CATV and RF/Microwave broadcast. It will indicate an inner conductor open circuit, outer conductor open circuit, short circuit faults and determine which end of the cable that the fault is situated. A doubletone will sound if the cable passes. Test sequence is performed every 200ms to ensure intermittent faults are detected and located. 4.3 x 2.5 x 1".



Cat. No.	Description	Each
293-026	MEGGER™ CXT100 Coaxial Cable Tester	$55.00

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Fax Lines: 800-366-9662 • 602-438-1690



BIDDLE INSTRUMENTS

MEGGER® SCT100 Structured Wiring Tester

- Tests TIA568A/B, USOC, ISO11801 & EN50173 configured networks
- Results displayed at both ends

The Megger SCT100 Structured Cabling Tester checks and verifies UTP and STP patch cables and installed networks, providing simple and instant results via LED indicators. It will test for shorts, opens, pair reversal, transposed pairs, and shorts between pairs. Results are displayed on both the remote and the main unit which saves the user a considerable amount of time when many cables need to be checked. A continuously sequencing LED display enables the indication of intermittent faults by monitoring the test sequence over an extended period of time. A magnetic switch within the main unit keeps both units locked together when not in use and acts as a magnetic switch causing it to power up or down when units are separated or joined. 5.7 x 2.25 x 1.5" (closed).

Cat. No.	Description	Each
293-027	MEGGER™ SCT100 Structured Wiring Tester	$125.00



CableCatch



Lite WrapStrap



CableWrap



CinchStrap



TROMPETER ELECTRONICS, INC

BNC Cable Assembly Tester

Designed to test for the proper assembly of BNC plugs with coax cables. Tests for center contact pin height and for continuity (shorts and opens). LED indicators will show if the test found an open or short or if it passed. Comes complete with terminators, case and 9V battery.

Cat. No.	Description	Each
[illegible]	BNC Cable Assembly Tester	$213.00

RIP-TIE

Cable Ties

The best way to arrange cables, cords, and wires quickly and securely. **CableWraps** allow you to organize cable groupings with ease. **CableCatch** lets you organize cables against a surface simply by peeling away the backing and adhering to a desk or equipment rack. **Lite WrapStraps** are an economical way to secure cables together with the ability to use them over again. The **CinchStrap-EG** has an end grommet that lets you safely suspend cables from wiring racks, mobile carts, walls, doorways and in wiring closets.

Cat. No.	Description	Size	Color	Each 1-4	5-9
59-001	CableWrap, 10 pk.	1 x 6"	Rainbow	$23.95	$22.75
59-002	CableWrap, 10 pk.	1 x 6"	Black	23.95	22.75
59-003	CableWrap, 10 pk.	5/8 x 6"	Rainbow	19.95	18.95
59-004	CableWrap, 10 pk .	5/8 x 6"	Black	19.95	18.95
59-005	CableWrap, 10 pk.	1 x 9"	Rainbow	26.95	25.60
59-006	CableWrap, 10 pk.	1 x 9"	Black	26.95	25.60
59-007	CableCatch, 5 pk.	1 x 2"	Gray	13.95	13.25
59-008	CableCatch, 5 pk.	1 x 4"	Black	15.95	15.15
59-009	Lite WrapStrap, 10 pk.	1/2 x 8"	Rainbow	9.00	8.55
59-010	Lite WrapStrap, 10 pk.	1/2 x 8"	Black	9.00	8.55
59-011	Lite WrapStrap, 10 pk.	1/2 x 5"	Rainbow	7.50	7.13
59-012	Lite WrapStrap, 10 pk.	1/2 x 5"	Black	7.50	7.13
59-013	Lite WrapStrap, 10 pk.	1/2 x 12"	Rainbow	12.50	11.88
59-014	Lite WrapStrap, 10 pk.	1/2 x 12"	Black	12.50	11.88
59-015	CinchStrap-EG, 10 pk.	1x7"	Black	34.95	33.20
59-016	CinchStrap-EG, 10 pk.	1x7"	Rainbow	34.95	33.20
59-017	CinchStrap-EG, 10 pk.	1x10"	Black	36.95	35.10
59-018	CinchStrap-EG, 10 pk.	1x10"	Rainbow	36.95	35.10

Cable Tie Installation Tools

➥ **Speeds tie application** ➥ **Cut ties flush for safety**

Use these tools for applying a wide variety of ties to cable bundles making for a fast application and a clean cut-off. All the tools except the QC-100 have adjustable tensioning to control the amount of grip the tie exerts on the item it's wrapped around.

462-100 is a lightweight pocket sized tool for least critical applications.

462-101 is an economy tool. Made of metal it has an automatic cut-off that removes excess strap flush against cable tie head.

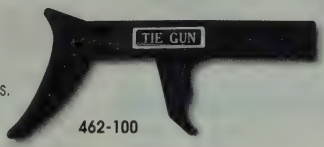
462-102 is a heavy-duty version of L-200 and made of glass-filled plastic. The lighter weight is easy on the wrist.

462-103 Ty-Gun™ offers a 380° rotatable nose so tool can be used in any position. An adjustable hand span and anti-recoil mechanism reduces vibration shock and wrist stress. Weighs only 8.5 oz.

462-104 is similar to the ERG-299 but has a red handle and is for greater strength ties.


462-103


462-102



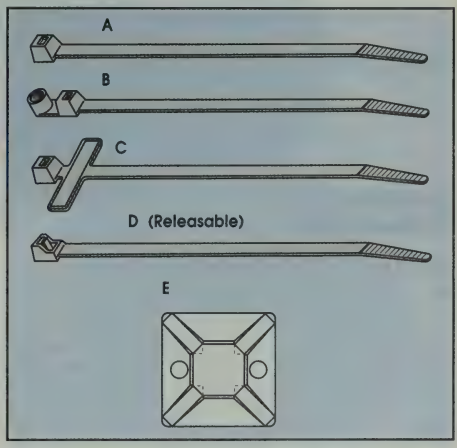
462-100


462-101

Cat. No.	Mfr. No./Description	Tensile Strength	Each 1-5	6-11
462-100	QC-100 Pocket Cable Tie Tool	18-50 lbs.	$20.00	$18.00
462-101	L-200 Economy Cable Tie Tool	18-50 lbs.	40.00	36.00
462-102	L-400-C Heavy-Duty Cable Tie Tool	18-50 lbs.	89.00	80.10
462-103	ERG-299 Ty-Gun Cable Tie Tool	18-50 lbs.	145.00	130.50
462-104	ERG-297 Heavy-Duty Ty-Gun Cable Tie Tool	50-120 lbs.	230.00	207.00

Black Nylon UV Rated Cable Ties and Mounts

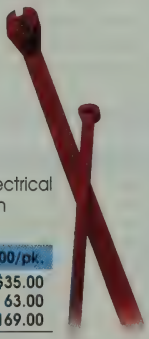
These nylon ties and mounts are designed to aid in lashing cables together for a clean installation. Each size is rated for tensile strength and works with any of the tensioning tools listed.



Cat. No.	Type	Qty.	Approx. Length	Max. Dia.	Tensile Strength	1-5	6-11
462-105	A	500/pk.	14"	4"	50 lbs.	$37.00	$33.30
462-106	A	1000/pk.	8.5"	2"	40 lbs.	25.00	22.50
462-107	A	1000/pk.	6.5"	1.5"	18 lbs.	18.00	16.20
462-108	A	100/pk.	7.5"	1.75"	50 lbs.	3.00	2.70
462-109	A	1000/pk.	4"	5/8"	18 lbs.	9.75	8.78
462-110	A	100/pk.	8"	2"	18 lbs.	2.50	2.25
462-111	A	100/pk.	5.5"	1.25"	30 lbs.	2.35	2.12
462-112	A	100/pk.	14"	4"	120 lbs.	12.00	10.80
462-113	B	100/pk.	7.5"	1.75"	50 lbs.	5.75	5.17
462-116*	C	100/pk.	4"	.75"	18 lbs.	5.25	4.72
462-119	D	100/pk.	8"	2"	50 lbs.	6.00	5.40
462-117	E	100/pk.	.75 x .75" Self Adhesive Mount for 18-40 lb. Ties			5.25	4.72
462-118	E	100/pk.	.75 x .75" Screw-on Mount for 18-40 lb. Ties			9.50	8.55

*Natural color and not UV rated.

Plenum Rated Cable Ties



UL listed cable ties that meet the National Electrical Code for a Plenum rating. Three sizes available in packs of 1000.

Cat. No.	Description	1000/pk.
462-063	4" Plenum Rated Cable Tie	$35.00
462-064	7" Plenum Rated Cable Tie	63.00
462-065	11" Plenum Rated Cable Tie	169.00

500 Multi-Purpose Cable Ties

Bundle of 200 4" 18 lbs. strength, 100 5.6" 30 lbs. strength, and 200 7.5" 50 lbs. strength cable ties for many uses. UV rated and comes in a convenient plastic container. (USA)

Cat. No.	Description	Each
462-062	500 Multi-Purpose Cable Ties	$10.95

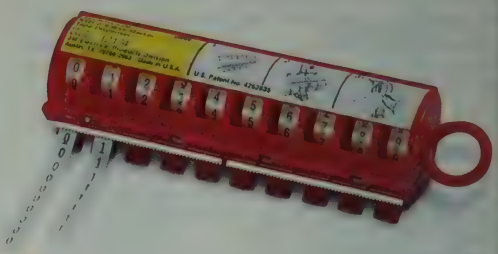




3M Write-On Tape System

Tape is self-laminating and resistant to dirt, oil and heat. Each roll of tape contains 250 labels. Write-on permanent marker included.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
649-333	SWD Write-On Tape System	$30.00	$22.50
649-337	SWD-R Tape Refill	23.00	16.88
649-335	Replacement Marker, Black	1.75	1.58



3M WireMarker Dispenser

Pre-Loaded with 10 rolls of numbers (0-9) or colors to identify cables or circuits. Dispenser protects the adhesive-backed rolls from dirt when not dispensing and includes a metal cutter.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
251-098	STD-0-9 Dispenser with 0-9 Numbers	$35.00	$28.80
251-777	STD-C Dispenser with 10 Colors	35.00	28.80
251-013	STR-0-9 Refill, 0-9 Numbers, 1 roll each	21.00	18.90
251-090	STR-MC Refill, 10 Colors, 1 roll each	23.00	17.77

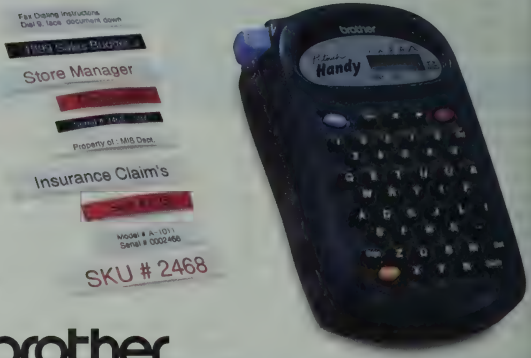


STANLEY HeavyDuty Labeler™

➥ **Handheld Portable Design**

The HeavyDuty Labeler™ has an easy to use keyboard and a large 8 character LCD display. It prints with 1 font, 5 type sizes, and 9 type styles with 45 variations. It will print on 1 or 2 lines and has text framing and underlining features. It will work with 1/4", 3/8", and 1/2" tape widths. The adhesive-backed laminated labels are constructed with polyethylene making them resilient to abrasion, fading, moisture, chemicals and extreme temperatures. The super strength tape is suited for harsh environments and on textured surfaces. Labeler includes 6 AAA batteries, 1 tape cassette, user's guide, and tape separator. **108-101** also includes a carrying case and 2 tape cassettes. 6.1 x 5.1 x 2.5".

Cat. No.	Description	Each
108-100	HeavyDuty Labeler™	$59.95
108-101	HeavyDuty Labeler™ w/case	75.00
108-102	1/2" x 26' Black on White Tape	17.95
108-103	1/2" x 26' Black on Clear Tape	16.95
108-104	1/2" x 26' White on Black Tape	20.95
108-105	1/2" x 26' Black on Yellow Tape	17.95
108-106	1/2" x 26' Black on White Strong Adhesive Tape	22.95
108-030	3/8" x 26' Black on Clear Tape	12.95
108-031	3/8" x 26' Black on White Tape	15.95
108-032	1/4" x 26' Black on Clear Tape	12.95
108-033	1/4" x 26' Black on White Tape	13.95



brother PT-1200 Label Printer

➥ **Uses 3 different tape widths (1/4, 3/8, 1/2")**

The PT-1200 is easy to use. It has 8 type styles, 5 type sizes, prints horizontally and vertically plus it prints up to 2 lines and underlines and frames text. It has 70 built-in symbols and uses the TZ laminated tapes. Includes (1) TZ laminated tape and (6) AAA batteries. 3.9 x 6.5 x 1.9", 1 lb.

Cat. No.	Mfr. No./Description	Each
108-043	PT-1200 Label Printer	$79.95
108-044	AC Power Supply	19.95
108-028	Black/Clear Tape, 1/2"	15.95
108-029	Black/White Tape, 1/2"	16.95
108-030	Black/Clear Tape, 3/8"	12.95
108-031	Black/White Tape, 3/8"	15.95
108-032	Black/Clear Tape, 1/4"	12.95
108-033	Black/White Tape, 1/4"	13.95

For replacement batteries, see page 311



PT-8000 P-Touch XL

- **High quality thermal print head**
- **Creates laminated adhesive labels**
- **Prints in English, Spanish or French**

A professional labeling system that features a full-size typewriter keyboard, and 48-character LCD display (24 Char. X 2 lines) to allow proofreading and editing of text before printing. It has a 3300 character text storage memory that allows most frequently printed data to be stored and recalled for future use, as well as over 200 different letters, numbers, symbols and more then 540 different type variations. It prints vertically or horizontally and up to 5 lines, 10 styles, 6 sizes, 3 fonts. It creates the most commonly used Bar Code protocols and has automatic consecutive numbering for labels requiring ascending codes. Includes AC adapter and one 1" x 50' black on white laminated tape. 11.8 x 11.9 x 3.1", 4.4 lbs.

Cat. No.	Mfr. No./Description	Each
108-800	PT-8000 Labeling System	$519.95
108-034	Optional Ni-Cd Battery	96.95
108-005	3/8" Black/Clear Tape	26.95
108-221	3/8" Black/White Tape	31.95
108-006	1/2" Black/Clear Tape	26.95
108-311	1/2" Black/White Tape	31.95
108-007	3/4" Black/Clear Tape	34.95
108-411	3/4" Black/White Tape	42.95
108-008	1" Black/Clear Tape	34.95
108-951	1" Black/White Tape	42.95

All tapes are 50' length and laminated.

Laminated Labels for PT-2410 and PT-2310

Laminated labels provide extra strength and durability against abrasions, spills, UV, chemicals, heat and cold. Each cartridge contains 26' of tape.

Cat. No.	Description	Each
108-024	1" Black/Clear Tape	$21.95
108-025	1" Black/White Tape	22.95
108-026	3/4" Black/Clear Tape	18.95
108-027	3/4" Black/White Tape	19.95
108-028	1/2" Black/Clear Tape	15.95
108-029	1/2" Black/White Tape	16.95
108-030	3/8" Black/Clear Tape	12.95
108-031	3/8" Black/White Tape	15.95
108-032	1/4" Black/Clear Tape	12.95
108-033	1/4" Black/White Tape	13.95

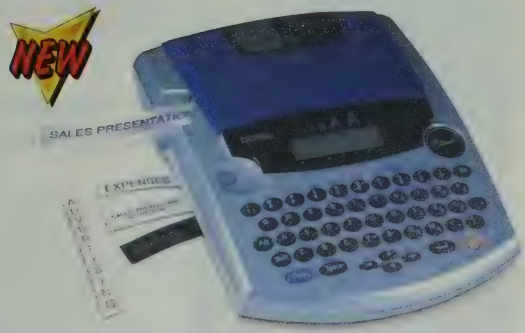


PT-2410 Labeling System

- **5 label widths from 1/4" to 1"**
- **Stand-alone or PC/MAC based printing**
- **Prints up to 3/4" high**

Professional features make this system ideal for all applications. Includes 8 built-in fonts, 10 type styles, 8 type sizes, vertical and mirror printing, multi-line printing up to 7 lines, 51 key QWERTY keyboard and 7 bar code symbologies. By connecting the unit to your computer you can expand graphic creativity on your labels with over 700 provided clip art pictures and symbols. You can print any True Type® (fonts in your computer and it will support common graphic file formats such as BMP, JPEG, TIF, GIF and more. Unit includes deluxe protective carrying case, (1) TZ laminated tape, AC adapter, interface cable and PT-Editor/ Printer Driver software. Requires 8 AA batteries not included. 7.5 x 9.2 x 2.5", 2 lbs.

Cat. No.	Mfr. No./Description	Each
108-041	PT-2410 Labeling System	$260.00
473-002	Industrial Alkaline AA	.91



PT-2310 Labeling System

- **5 label widths from 1/4" to 1"**
- **Stand-alone or PC compatibility**

The PT-2310 is easy to use and loaded with useful features including 4 built-in fonts, 8 type styles, 8 type sizes, vertical and mirror printing, and 6 line printing (up to 60 points). It will also underline and frame text, auto number and repeat printing, and has a standard typewriter-style 51 key QWERTY keyboard. Unit includes (1) TZ laminated tape, case, CD-ROM and (8) AA batteries. 7.6 x 9.5 x 2.5".

Cat No.	Description	Each
419-306	PT-2310 Labeling System	$175.00
108-035	AC Adapter	22.95

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



I.D. Pro™ Plus Wire Marker Printer

A small and affordable method to print wire, outlet, face plate and component labels on site and on demand. Weighing only 1.6 lbs. for versatility and portability. Accommodates three different material widths from .5" to 1.5". Prints up to eight variable lines of text and accepts a wide variety of labeling materials, such as self-laminating, vinyl cloth and heat shrink wire markers. Two type sizes with normal and bold are available, and the two-line liquid crystal display is 16 characters wide allowing you to preview the information to be printed. Other features include a rugged shuttle printhead, automatic label serialization and prints up to 250 labels between battery charges. Includes ribbon, NiCad battery pack and charger, wrist/belt cord and user manual.

Cat. No.	Description	Each
669-001	I.D. Pro Plus Wire Marker Printer	$389.00
669-002	Hardside Case	45.00
669-003	Battery Charger	20.00
669-004	NiCad Battery Pack	44.00
669-005	Black High-Performance Non-Smear Ribbon	8.95
669-051	PCK-4 Cleaning Kit	25.00

Identification Labels

Cat. No.	Description	Size	Each
669-007	Self-Laminating Vinyl Labels, 100/roll	1 x 2.5" (cable marking)	$19.00
669-053	Self-Laminating Vinyl Labels, 250/roll	1 x .75" (10-16 awg)	21.50
669-009	Self-Laminating Vinyl Labels, 250/roll	1 x 1" (10-12 awg)	24.00
669-008	Self-Laminating Vinyl Labels, 250/roll	1 x 1.25" (6-10 awg)	26.00
669-012	Self-Laminating Vinyl Labels, 250/roll	1.5 x 1.25" (6-10 awg)	31.25
669-054	Metallized Polyester Labels, 500/roll	1 x .5"	37.00
669-052	White Polyester Labels, 50' continuous roll	1" x 50'	88.75
669-015	White Polyester I.D. Labels, 250/roll	1.5 x .75"	21.75
669-020	White Polyester I.D. Labels, 250/roll	.5 x .275"	19.00
669-018	White Polyester I.D. Labels, 500/roll	.5 x .5"	24.00
669-013	White Polyester I.D. Labels, 500/roll	1.5 x .04"	32.00
669-017	Translucent Polyester I.D. Labels, 250/roll	1.5 x .75"	24.75
669-014	Translucent Polyester I.D. Labels, 500/roll	1.5 x .04"	32.00

Wire Marking Sleeves

Cat. No.	Description	Size	AWG	Each
669-021	White Polyolefin Heat Shrink, 500/roll	1.5 x .35"	12-18	$179.00
669-022	White Polyolefin Heat Shrink, 500/roll	1.5 x .5"	8-10	245.00
669-023	White Polyolefin Heat Shrink, 500/roll	1.5 x .75"	3-6	279.00





TLS2200 Thermal Barcode/Labeling System

A handheld, thermal transfer printer that weighs only 2.75 lbs. and can easily be held in one hand. It's a bar code and label printer with smart-cell technology that will recognize the label you're using, determine the text size, and automatically adjust itself. It accepts labels and wire markers up to 2" in width, has 203 dpi resolution, can rotate characters 90° or 270°. Prints standard electrical and telecommunication symbols, and variable font sizes from 4 to 28 point. Includes hard case, R6210 ribbon, battery pack, dust cover, battery charger, manual test labels, and one cleaning card.

Cat. No	Mfr./No.	Description	Each
669-024	TLS2200	Printer	$795.00
669-025	TLS2200	AC Adapter	90.00
669-026	PCK-5	Cleaning Kit	13.00
669-027	TLS2200	Battery Pack	72.00
669-028	TLS2200	Battery Charger	35.00
669-029	R4310	Black Ribbon	19.50
669-030	R6010	Black Ribbon	19.50
669-056	R6210	Black Ribbon	19.50

Identification Labels

Cat. No.	Description	Size	Each
669-031	Self-Laminating Vinyl Labels, 100/roll	1 x 2.5"	$25.00
669-032	Self-Laminating Vinyl Labels, 100/roll	1 x 4"	23.00
669-033	Self-Laminating Vinyl Labels, 250/roll	1 x 1.5"	32.50
669-035	Self-Laminating Vinyl Labels, 250/roll	1 x 1"	25.50
669-042	White Polyester Labels, 250/roll	1 x 1"	21.00
669-044	White Polyester Labels, 250/roll	1.5 x 1"	24.00
669-045	White Polyester Labels, 100/roll	2 x 1"	17.00
669-055	Metallized Polyester Labels, 500/roll	1 x .275"	29.00
669-043	Metallized Polyester Labels, 500/roll	1.5 x .50"	44.50
669-046	Vinyl Cloth Labels, 30' continuous roll	.24" x 30'	31.50
669-047	Vinyl Cloth Labels, 30' continuous roll	.375" x 30'	30.00
669-050	Polyester Labels, 30' continuous roll	.5" x 30'	33.00

Wire Marking Sleeves

Cat. No.	Description	Size	AWG	Each
669-036	White Polyolefin Heat Shrink, 100/roll	1 x .235"	16 - 22	$34.50
669-038	White Polyolefin Heat Shrink, 100/roll	1 x .439"	10 - 16	46.50
669-039	White Polyolefin Heat Shrink, 100/roll	1.76 x .335"	16 - 22	46.00
669-041	White Polyolefin Heat Shrink, 100/roll	1.76 x .439"	10 - 16	62.00

PTX Series Wire Wrap/ Unwrap Tools



- Rugged construction for field usage
- Wraps and Unwraps 18 to 30 AWG Wire

The PTX Series is an ergonomicly designed tool that includes a lightweight, well-balanced construction, and dual-finger short-throw trigger with a long handle to mitigate pressure on the palm. These features help to prevent repetitive stresses. The tools also include a permanently attached collet nut and a low battery indicator. The high power motor enables the tools to wrap and unwrap 18 to 30 AWG wire, and direction is chosen by the flick of a switch. **Battery Wrap/Unwrap Tool Kit** includes a tool, AC charger and (2) batteries. Works with bits and sleeves on page 192.

Cat. No.	Description	Each
125-019	Battery Wrap/Unwrap Tool Kit	$325.00
125-010	Battery Wrap/Unwrap Tool	195.00
125-011	Battery	45.00
125-012	Battery Charger 115V	57.50
125-014	Electric Wrap/Unwrap Tool 115V	235.00
125-015	Electric Wrap/Unwrap Tool w/Backforce	245.00

Standard Pneumatic Battery Powered Wire Wrapping/ Unwrapping Tool



- Unique indexing mechanism
- Durable plastic housing

A versatile tool for wrapping and unwrapping in field service, low-volume production, and remote service locations. This lightweight tool (14 oz.) is used for wrap wire sizes 24-32 AWG. The battery charges in the tool, so no extra receptacle is required and you simply reverse the battery to unwrap. Unwrap bits and sleeves are shown below. Rechargeable NiCad C batteries and charger are included.

Cat No.	Description	Range	Each
316-024	Wire Wrapping/Unwrapping Tool	24-32 AWG	$255.00
316-021	Unwrap Bit	20-26 AWG	20.00
316-022	Unwrap Bit	26-32 AWG	20.00
316-023	Unwrap Support Sleeve	–	11.00

Standard Pneumatic Pneumatic Wire Wrapping Tool

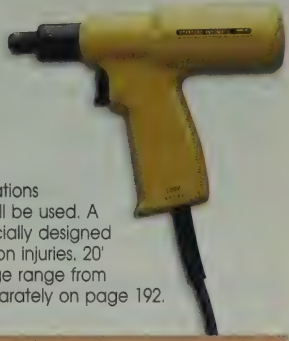


- Low air consumption
- Lightweight (9 oz.)

Manufactured from a lightweight, high impact resistant, glass-filled nylon, it's designed for mass production and aircraft maintenance applications. Used with wire sizes from 18-32 AWG, the high speed (4500 rpm) motor produces fast, efficient wraps. Requires only 3 cfm of air at 90 psig. Bits and sleeves sold separately on page 192.

Cat No.	Description	Range	Each
316-002	Pneumatic Wire Wrapping Tool	18-32 AWG	$465.00

Standard Pneumatic Electric Wire Wrapping Tool



- Fully insulated
- Unique indexing mechanism

Designed for production applications where wire sizes from 18-32 AWG will be used. A lightweight Lexan housing and specially designed handle help reduce repetitive motion injuries. 20' power cord provides optimum usage range from the outlet. Bits and sleeves sold separately on page 192. 115VAC.

Cat No.	Description	Range	Each
316-100	Electric Wire Wrapping Tool	18-32 AWG	$239.00

Wire-Wrap Electric Wire Wrapping Tools



Standard Model is designed for prototyping and moderate production applications. Adjustable index. Two-finger trigger control reduces operator fatigue.

Heavy-Duty Model offers a more powerful motor for steady performance, and includes backforce to reduce overwraps. Bits and sleeves sold separately on page 192.

Cat. No.	Description	Each
3-556	Standard Electric Wire Wrap Tool	$205.00
3-560	Heavy-Duty Electric Wire Wrap Tool	325.00

Wire-Wrap Battery Powered Wire Wrapping/ Unwrapping Tool

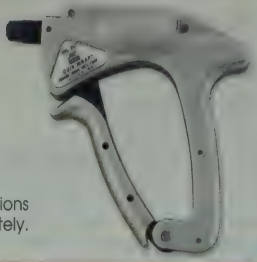


- More than 1100 wraps per charge
- Fast recharge, 1 hour!

Flip the battery over to unwrap. Wire Wrap Tool Kit contains tool, charger, power supply, 26, 28, 30 AWG wrap bits and sleeve, 28-30 AWG unwrap bit and sleeve. Bits and sleeves sold separately on page 192.

Cat. No.	Description	AWG	Each
3-551	Battery Powered Wire Wrapping Tool	28-30	$285.00
3-550	Replacement Battery Cell	–	47.00
1-676	Wire Wrap Tool Kit	28-30	395.00

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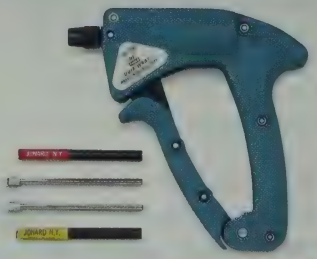


JONARD

Manual Wire Wrapping Tool

Optimum range is 22-32 AWG. For production line and field service use in electronic and telecommunications industries. Bits and sleeves sold separately. See page 192.

Cat. No.	Description	AWG	Each
759-010	Aluminum Manual Wire Wrapping Tool	22-32	$105.00



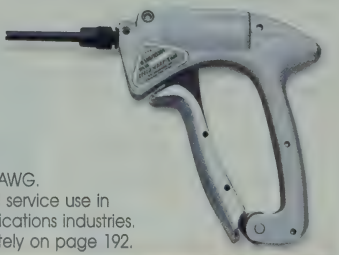
JONARD

Manual Wire Wrapping Tool

- Insulated sleeves

Hand operated Lexan tool uses any bit and sleeve. Recommended telecom approved insulated bit and sleeves listed below.

Cat. No.	Description	Range	Each
759-031	Manual Wire Wrap Tool	–	$75.00
759-032	Wire Wrap Bit	22-24 AWG	29.00
759-034	Insulated Sleeve for 759-032	–	19.00
759-033	Wire Wrap Bit	26 AWG	34.00
759-035	Insulated Sleeve for 759-033	–	19.00

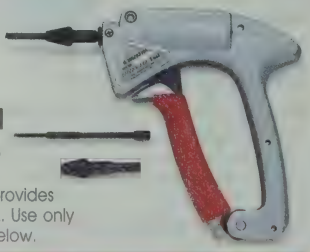


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Manual Wire Wrapping Tool

Optimum range is 22-32 AWG. For production line and field service use in electronic and telecommunications industries. Bits and sleeves sold separately on page 192.

Cat. No.	Description	AWG	Each
125-109	Aluminum Manual Wire Wrapping Tool	22-32	$115.00



ok

Manual Wire Unwrapping Tool

- Only 2 bit/sleeve combos for most applications

Lightweight aluminum tool provides fast, smooth unwrapping action. Use only with bit and sleeve sets listed below.

Cat. No.	Description	AWG	Each
121-559	Manual Wire Unwrapping Tool	–	$159.00
121-558	Unwrap Bit/Sleeve	22-26	57.00
121-557	Unwrap Bit/Sleeve	26-32	57.00



JONARD

Telecom Wire Wrap Kit

- Aluminum wrapping tool
- Leather holster

Everything you need to cut, strip and wrap 22 to 24 gauge wire. Includes cut and strip tool, aluminum wire wrapping tool, 22-24 bit and sleeve and 22-24 wrap/unwrap hand tool all in a leather belt loop holster.

Cat. No.	Mfr. No./Description	AWG	Each
759-011	Telecom Wire Wrap Kit	22-24	$270.00



ok

Insulated Wire Wrap Kit

- Insulated tool and sleeve
- Durable cordura case

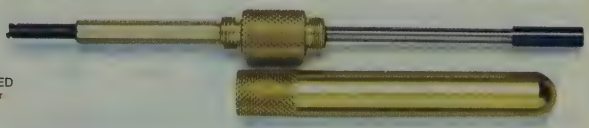
The tool and sleeve are coated with an insulative material that provides 1000V dielectric strength to prevent shorting between the pins of main distributing frames and other equipment. The coating is bonded on so that it will not come off and provide years of reliable protection. The kit includes the insulated tool, 22-24awg bit and insulated sleeve, wire cut and strip tool, and manual unwrap tool. All in a durable cordura case that easily attaches to your belt.

Cat. No.	Description	Each
125-025	Insulated Wire Wrap Kit	$295.00
125-045	Insulated Wire Wrap Tool only	125.00

JONARD

Combination Wrapping and Unwrapping Tools





Cat. No.	Wrap Reg.	Wrap Mod.	Wire Size (AWG)	Maximum Insul. Diam.	Term. Hole Diam.	Term. Hole Depth	Term. Outside Diam.	Term. Hole Diam.	Term. Hole Depth	Outside Diam.	Each
125-129	●		20	–	.075	1.000	.218	.070	1.000	.156	$74.00
759-051	●		22-24	–	.075	.807	.218	.070	1.000	.156	78.00
125-131		★	26	.031	.040	.750	.125	.038	1.000	.093	86.00
125-137		★	30	.027	.036	.750	.125	.038	1.000	.093	86.00

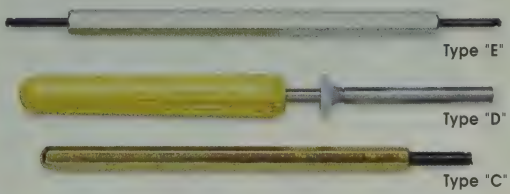
★Produces modified wrap



Hand Wrapping Tools

Cat. No.	Type	Wire Size (AWG)	Term. Hole Diam.	Term. Hole Depth	Outside Diam.	Each
759-053	A	22-24	.075	.807	.218	$53.00
125-119	A	22-24	.086	1.000	.218	51.00
125-121	A	26	.075	1.000	.218	53.00
759-057	A	★ 26	.040	.750	.125	56.00
125-125	B	★ 30	.036	.750	.125	56.00

★Produces modified wrap

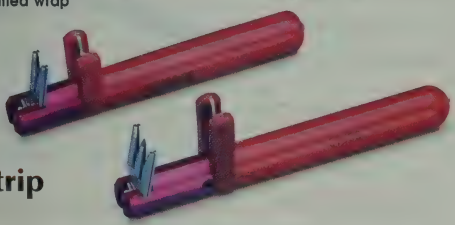


Hand Unwrapping Tools

Cat. No.	Type	Wire Size (AWG)	Type of Unwrap	Term. Hole Diam	Term. Hole Depth	Outside Diam.	Each
125-203	C	20-26	Left	.070	1.000	.156	$19.00
759-054	E	20-26	L–R	.070	1.000	.156	23.00
759-043	D	20-26	Left	.070	2.360	.187	25.95
125-205	C	20-26	Left	.070	1.000	.120	19.00
125-201	C	24-32	Left	.038	1.000	.093	15.00
759-056	E	24-32	L–R	.038	1.000	.093	23.00
125-209	D	28-32	L–R	.038	0.750	.156	37.00

ok

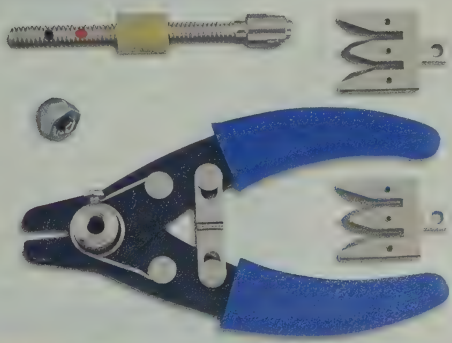
Wire Cut-&-Strip Tools

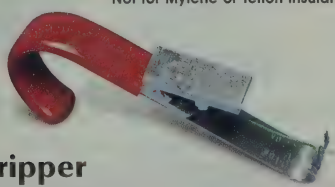


Place wires in stripping slot with ends extending beyond cutter blades. Press tool and pull. Wire is cut and stripped to proper wire wrapping" length.

Cat. No.	Each	Wire-AWG	Stripped Wire/Length	Repl. Blade	Each
125-167	$32.50	22-24	$1^5/_{16}$ to $1^9/_{16}$"	125-155	$6.25
125-171	32.50	26	$1^5/_{16}$ to $1^{11}/_{16}$"	125-149	6.25
125-173	36.50	28	$^7/_8$ to $1^1/_{16}$"	125-151	7.50
125-175	32.50	30	$^7/_8$ to $1^1/_{16}$"	125-153	7.50

Not for Mylene or Teflon insulation.





HARRIS

MCO Wire Stripper

Measured cut-off (MCO) stripper is designed to prepare wire for wire-wrapping installations. 22-24 AWG stainless steel with vinyl handle for comfort. Standard $1^5/_8$" strip.

Cat. No.	Description	Each
792-224	MCO Style Stripper	$44.50
792-222	Double-Slotted Stripper w/o MCO Stripper	19.00

JONARD

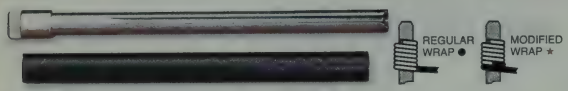
Wire Cut & Strip Tool

Simply place wire in stripping slot, squeeze the tool and pull. You now have the wire cut and stripped to the proper length. Comes with cushion grips and interchangeable blades, 22-24 AWG and 24-26 AWG, and a hard plastic case.

Cat. No.	Description	Each
759-036	Wire Cut & Strip Tool	$37.00
759-058	Replacement Blade 22-24 AWG	8.50
759-059	Replacement Blade 24-26 AWG	8.50

Not for Mylene or Teflon insulation.

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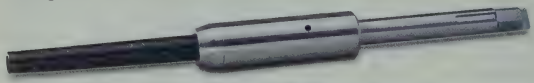


Wire Wrap Tool Bits and Sleeves

Bits and sleeves combine with tools on page 189 and 190. Each bit should be purchased with a sleeve to assure proper tolerances and operation.

Bits		Wire Size		Sleeves	
Cat. No.	Price	(AWG)	Wrap.	Cat. No.	Price
125-018	$56.00	18	REG	125-194	$36.50
316-003	37.00	20	REG	316-016	22.00
125-020	45.75	20	MOD	125-195	28.00
316-004	38.00	22	REG	316-017	20.00
316-037	42.00	22	MOD	316-017	20.00
759-032	29.00	22-24	REG	759-034	19.00
316-036	40.00	22-24	MOD	316-017	20.00
316-007	37.00	24	REG	316-019	19.00
316-008	43.00	24	MOD	316-019	19.00
759-033	34.00	26	REG	759-035	19.00
316-012	43.00	26	MOD	316-019	19.00
316-013	38.00	28	REG	316-020	25.00
125-217	42.00	28	MOD	759-061	25.50
759-060	36.95	30	MOD	759-061	25.50
316-035	36.00	30-32	REG	316-020	25.00
316-015	46.00	30-32	MOD	316-020	25.00
759-080*	64.00	22	REG	759-081*	31.00
125-077*	64.00	24	REG	125-079*	31.00
125-075*	64.00	26	REG	125-079*	31.00

* 5" long bits and sleeves

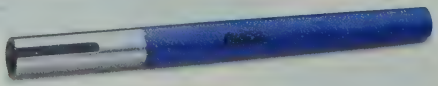




Wrap/Unwrap Bit & Sleeve

This innovative product combines both the wrap and the unwrap functions into one bit/sleeve set. The bit is precision machined for high quality clockwise wrapping and includes the removal mechanism that is used to unwrap when operated counterclockwise. The user can quickly and easily switch back and forth between wrap and unwrap mode by retracting or extending the sleeve, and flipping the switch on a wrap/unwrap tool. It can wrap or unwrap 22 and 24 AWG wire.

Cat. No.	Description	Each
125-046	Wrap/Unwrap Bit & Sleeve 22-24AWG	$95.00



Insulated Wire Wrap Sleeves

Coated with an insulative material that provides 1000V dielectric strength at the tip to prevent shorting between the pins of main distributing frames and other equipment. Available in several sizes and are interchangeable with bits from other suppliers. For maximum protection use with 125-045, insulated wire wrap tool, see page 190.

Cat. No.	Description	Each
316-041	3" Insulated Sleeve 22-24 AWG	$23.00
316-042	3" Insulated Sleeve 24-26 AWG	23.00
316-043	5" Insulated Sleeve 22-24 AWG	46.00
316-044	5" Insulated Sleeve 24-26 AWG	46.00



DSL Wrap/Unwrap Tool

The DSL tool does the job of two tools. This two-sided tool allows for quick change of wrapping to unwrapping and back, while the unused side serves as the handle. It has been specifically designed for use on DSL installations and maintenance. It provides a regular wrap for 24-26AWG with a terminal hole diameter of .075" and depth of .750". The outside diameter is .218". The unwrapping side is for 20-26AWG with a terminal hole diameter of .070" and depth of 1.000". The outside diameter is .156".

Cat. No.	Description	Each
759-015	DSL Wrap/Unwrap Tool	$74.00



Standard Pneumatic Wire Wrap Gun Cutting & Stripping Attachment

The model 650 allows the operator to cut to length and strip the wire in one simple operation. The length of the wire to be cut is fully adjustable. Different gauge stripping blades can be interchanged quickly and easily. Fits on all Standard Pneumatic Wire Wrap Guns on page 189 and 190. Blades not included.

Cat. No.	Description	Each
316-101	Cutting & Stripping Attachment	$128.00
316-102	22 AWG Stripping Blade	13.00
316-103	24 AWG Stripping Blade	13.00
316-104	26 AWG Stripping Blade	13.00
316-105	28 AWG Stripping Blade	13.00
316-106	22-24 AWG Stripping Blade	21.50



Insulated Bits & Sleeve Sets

Operate with any tool. Provide protection from shorts. Color coded.

Cat. No.	Wire Size (AWG)	Wrap	Sleeve Color	Price
316-038	22-24	REG	Blue	$46.00
316-039	22	REG	Blue	49.00
316-040	24	REG	Yellow	49.00
316-041	26	REG	Green	49.00
316-042	26	MOD	Red	60.00
316-043	30	MOD	White	66.00



Telecom Technician's Tool Kit

➥ **Quality tools**

Kits include mini Maglite flash, Jensen 814 punch tool with 66 and 110 blades, Progressive AT6 Adaptoner or Jensen TG-100, twisted pair stripper and your choice of the industry standard Progressive 200EP tone probe, the Ideal ABS probe, or Jensen's TP-100.

Cat. No.	Description	Each
23-501	Telecom Technician's Tool Kit w/ABS Tone Probe	$247.00
23-502	Telecom Technician's Tool Kit w/200EP Tone Probe	245.00
23-503	Telecom Technician's Tool Kit w/TT-100 probe and TG-100 Toner	225.00
216-010	Case only w/belt loop, releasable	19.00



Cable Splicer's Kit

Kit includes straight-blade knife and strip jaw scissors in a two pocket leather pouch.

Cat. No.	Description	Each
216	Cable Splicer's Kit	$25.95
7-442	Knife only	11.95
20-175	Scissors only	10.50
16-373	Case only	6.50

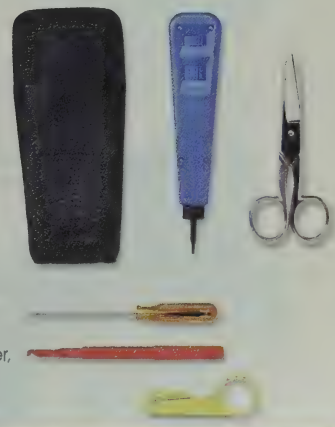


Belt Kits

➥ **Industry standard tools**
➥ **Heavy-duty belt**

Designed for the craftsperson working inside or out. Comfortable, adjustable nylon belt with strong, gusseted pockets. Outlasts leather work belts. Tool pouches are moveable on the belt for a custom fit and feature Velcro® strips to keep pouches in place. **Kits** include Jensen JTS-30 test set with Jensen 814 punch tool with 66 and 110 blades, wood and metal punches, can wrench, probe pick and spudger, 6-wire banjo adapter, and 22 gauge stripper.

Cat. No.	Description	Size	Each
23-505	Deluxe Telecom Tool Belt Kit, Medium	31-35"	$455.00
23-506	Deluxe Telecom Tool Belt Kit, Large	35-39"	455.00
897-307BK	Medium Belt only	31-35"	83.50
897-317BK	Large Belt only	35-39"	83.50



Cabling Technician's Belt Kit

➥ **Worn with or without belt**
➥ **Durable poly pouch**

Conveniently carry all your most commonly used tools in a handsome and rugged pouch. **Kit** includes impact punch down tool with 66 and 110 blades. Also included is a pair of electrician's scissors with serrated blades and strip notches, probe pick, spudger, twisted pair cable jacket stripper and a pocket clip flat bladed screwdriver.

Cat. No.	Description	Each
425-425	Cabling Technician's Belt Kit	$130.00
216-425	Case Only	12.00

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Fax Lines: 800-366-9662 • 602-438-1690

JTS-30

- Amplified speaker
- RainSafe
- DataSafe
- DropSafe to 20′

Our Most Popular



JTS-45

- Hands Free w/headset
- Caller ID testing
- Voltage & current display
- Safe for data lines





JTS-19

- Low cost
- DataSafe monitor

JTS-22

- Amplified speaker
- RainSafe
- DropSafe to 20′



JTS-50

- Hands Free w/headset
- Amplified speaker
- Caller ID testing
- DTMF decoding



Selection Guide for Jensen Test Sets

Cat. No.	Last No. Re-Dial	Polarity Indication	Rain Resistant	Impact Resistant	Microphone Mute	Audible Ringer	Data Line Protection in Monitor Mode	Amplified Monitor	Amplified Speaker	Hook Flash	Speed Dial Memories/Digits	PBX Pause	Each
JTS-19	✓	✓					✓						$115.00
JTS-30	✓	✓	✓	✓	✓	✓	✓	✓		✓			115.00
JTS-22	✓	✓	✓	✓	✓	✓			✓		9/18	✓	250.00
JTS-45	✓	✓			✓	✓	✓	✓		✓	5/19	✓	189.00
JTS-50	✓	✓			✓	✓		✓	✓	✓	8/19		275.00

JTS-19 is designed with the Inside Plant technician in mind. It combines all the basic test set features at a great price. Its high-impedance monitor prevents accidental disruption of service from clipping onto a data line in monitor mode. Its polarity indicator doubles as a ring indicator in monitor mode. The cordset is connected using a six position modular plug, making cord changes easy.

JTS-30 is built for extreme reliability and durability. It can withstand the extremes of weather, from blazing heat to driving rain and still operate. It can withstand a twenty foot drop. It is our toughest test set, perfect for the demands of Outside Plant.

JTS-22 provides an amplified external speaker for hands free monitoring, with three levels of loudness. Has good weatherproofing and withstands drops of up to twenty feet.

JTS-45 provides the usual functionality of a standard test set in a compact form. Its unique features improve the productivity of technicians. It has a battery powered monitor mode for improved listening, and auto power down for long battery life. Via its LCD it measures line voltage, off-hook current, current battery state. You can select and view stored speed-dial numbers. It also displays continuous polarity, Caller ID, Call Waiting/CID and Caller ID errors. With the included headset w/ microphone, it offers hands free operation without the drawbacks of a speakerphone.

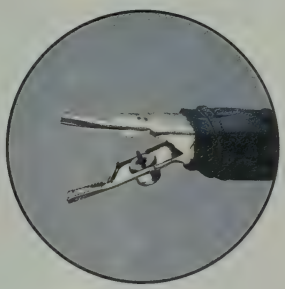
JTS-50 offers all the features you need for telephone testing plus many extras which make it our most powerful test set. Its LCD shows on-hook voltage, off-hook current, Caller ID, Call Waiting w/CID and CID errors. DigiView decodes the DTMF and displays the digits as a dial-out is in progress. Trafixguard senses digital lines and identifies under and over-voltage conditions. It is totally DSL safe. An amplified speaker with three volume levels allows hands-free monitoring. Enhanced memory dialing; both alpha and numeric. Headset and microphone offers full hands-free use.



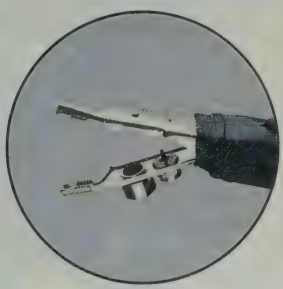
237-028 237-029 966-407 237-027 237-021



966-298 966-297 966-296 966-238



Standard (STD)



Angled Bed-of-Nails (ABN)

Replacement/Optional cordsets

Cat. No.	Description	Each
237-028	Banana plugs for JTS-19	$38.00
237-029	Angled bed of nails for JTS-19	38.00
966-407	Modular plug for JTS-19	6.50
237-027	Ground start ABN for JTS-19	47.50
237-021	Heavy penetrator for JTS-19	28.25
237-562	Ground start ABN for JTS-22	46.75
237-232	Central Office test set cord for JTS-22 requires CO cord below	34.00
966-298	Heavy penetrator for CO cord 237-232	62.00
966-297	ABN for CO cord 237-232	70.00
966-296	Modular plug for CO cord 237-232	49.00
966-238	310 plug for CO cord 237-232	65.00
414-002	ABN cord for JTS-45 and JTS-50	26.00

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TS17™
Economy Test Set
- Perfect for the occasional telecom technician
- Lightweight and compact design

TS19™
- Economically priced, full featured
- Great for the "in house" technician
- Optional quick change cordsets

TS30™
- Rainsafe™ and Dropsafe™
- High impedance monitor



TS22®
- Professionally featured test sets
- Loudspeaker listening speeds work flow

TS22®LO
- Data lockout w/override

TS22®A
- Harris' best
- The professional's choice
- 2-way hands-free operation

TS22®ALO
- Data lockout w/override
- 2-way hands-free operation

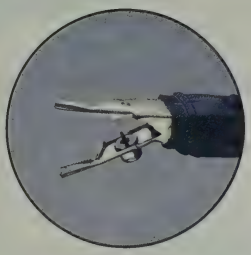
Features & Prices for Harris Test Sets

Cat. No.	Mfr. No.	Cord set	Last # re-dial	Polarity test	RainSafe™	DropSafe™	Mute	Audible ringer	Datasafe monitor	Amplified speaker	9 number memory	PBX pause	Hands-free speaker phone	Data lockout	Each
237-017	TS17™	alligators		✓*			✓								$86.50
237-117	TS17 Deluxe	alligators	✓	✓*			✓	✓	✓						97.50
237-035	TS19™	ABN	✓	✓					✓						137.00
237-030	TS30™	ABN	✓	✓	✓	✓	✓	✓	✓						202.50
237-668	TS22®	STD	✓	✓	✓	✓	✓	✓		✓	✓	✓			273.00
237-009	TS22®	ABN	✓	✓	✓	✓	✓	✓		✓	✓	✓			260.00
237-550	TS22®LO	STD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	410.00
237-551	TS22®LO	ABN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	410.00
237-561	TS22®A	STD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		355.50
237-229	TS22®A	ABN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		355.50
237-570	TS22®ALO	STD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	498.00
237-571	TS22®ALO	ABN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	498.00

*also indicate shorts, opens and excessive crosstalk

Cord Set Selection for Harris Test Sets

Each Harris Test Set comes with a factory installed cord set. Standard penetrator (STD) or angled bed-of-nails (ABN) clips are installed on the TS22® series.



Standard (STD)



Angled Bed-of-Nails (ABN)

Optional CO Cords for TS22® Series

May be purchased and user-installed. It replaces STD or ABN cord sets of TS22®s, allowing a variety of interchangeable cord sets. Ground start cord sets for the TS22®s must be purchased separately and installed by the user.

Cat. No.	Description	Each
237-232	Optional Central Office Cord Set (not shown)	$34.00
966-298	Standard Penetrator Clips attaches to CO Cord Set	62.00
966-297	Angled Bed-of-Nails Clips attaches to CO Cord Set	70.00
966-296	Modular Plug (6-Pin) attaches to CO Cord Set	49.00
966-238	310 Plug attaches to CO Cord Set	65.00

Optional Ground Start Cord Sets for TS22® Series

Cat. No.	Description	Each
237-562	Ground Start Cord Set for TS22® (not shown)	$50.50



966-298 966-297 966-296 966-238

Cord Sets for TS19™ and TS17™

The TS19® comes with ABN cord set. The TS17™ comes with alligators. Both have a modular jack which allows it to accept several interchangeable cord sets.

Cat. No.	Description	Each
237-028	Banana Plugs	$38.00
237-029	Angled Bed-of-Nails Clips*	38.00
966-407	Modular Plug (6-Pin)	6.50
237-027	Angled Bed-of-Nails Clips w/Ground Start Clips	47.50
237-021	Standard Penetrator Clips	28.25

*Included w/TS19™



237-028 237-029 966-407 237-027 237-021

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P-Phone & POTS Test Set

- 30' drop tested
- Tests MDC and POTS



Designed to allow testing of Nortel's Meridian Digital Centrex switches (MBS, EBS or P-Phone) and analog POTS lines with one test set. The SBI-145 lets you originate calls on all lines with all addresses on MBC lines. 16 button sets with 22 button add-ons are supported. Conference and hold features are supported. Pulls 23mA maximum, com-patible with EBS 30 & 50 cards.)

High impedance (100kW) monitor. Microphone mute. Line polarity LEDs. Audible POTS ringer built-in, MDC ringing indicated via flashing LED. Nine 23-digit number storage. Line powered and splash resistant, rugged ABS case withstands 30' drops. Cordset has angled bed-of-nails alligator clips.

Cat. No.	Mfg. No./Description	$Each
319-001	SBI-145 P-Phone/POTS Test Set	$360.00



6-Wire Modular Test Adapter

- Perfect for attaching toners & butt sets

Cat. No.	Description	Each
23-019	6-Wire Adapter	$19.00





Telecom Technicians Belt

Perfect design for occasional use. A strong woven nylon belt, fully adjustable fastened by a steel "T" and slot for quick on and off. Attached to the belt is a heavy duty steel ring for securing your test set via its gate hook. The belt is designed to accept most any tool pouch, belt mounted sheath or tester carry case with a loop so you have it all at your fingertips for when you're on a ladder, in an attic or anywhere you can't easily reach your tool kit.

Cat. No.	Description	Each
313-001	Telecom Tech's Belt	$19.95



Make Any Test Set Digital Safe

Extend the life of your test set with **Data Defender** digital lockout. Simple in-line design automatically locks out test set when xDSL, ISDN (PRI or BRI), T-1, E-1, ADSL (inc. Lite), SW56, 64KB, HDSL, S-HDSL/SDSL, RaDSL or VDSL is detected. Voice band rejection eliminates false positives. Super sensitive, extends ability of digital safe test sets.

Cat. No.	Mfr. No./Description	Each
43-001	ITC-6600 Data Defender w/o Cordset	$75.00
43-002	ITC-6602 Data Defender w/ABN Cordset	95.00



PROGRESSIVE ELECTRONICS

P Phone Adapters

Convert your standard analog test set into P phone compatible test set. Works on Centrex, Meridian business set, Electronic business set, M phone, E phone or P phone lines with an 8KHz digital circuit. Converts both signaling and speech.

Cat. No.	Description	Each
18-005	P Phone Adapter w/o Cordset	$174.00
18-006	P Phone Adapter w/Cordset	195.00



MetroTel Corp

Digit Grabbers

- DTMF/pulse signal decoding & display
- TPM-32/MF displays MFR1 signals
- VNA-70A subscriber loop analyzer

Units decode valid DTMF or pulse signals regardless of source or direction. LCD displays up to 32 alphanumeric digits, perfect for security or FAX autodialers. Units have bridged line monitor speaker built-in. Economic **796-732** provides basic function, **796-032** also translates Multifrequency MFR1 (Group B and D) signals used by COs, equal access carriers, and long distance resellers. **796-070** combines DTMF and pulse decoding (not MFR1) with a line analysis test set. Simultaneous display of dB level, signal frequency, loop voltage, current, and resistance. Autoranging true RMS measurements from -44dBm to 4dBm, 3VAC to 125VAC. Monitor can be switched: bridge, terminate, or 600Ω quiet termination. 1004Hz signal generator can be used for line tracing/ID. All units complete with 9V battery, test leads, instructions, and carrying case. 4 x 7.5 x 1.4", 32 oz. 90 day manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
796-732	TPM-32 Digit Grabber	$350.00
796-032	TPM-32/MF Grabber with MFR1	995.00
796-070	VNA-70A Grabber with Line Test	795.00

For replacement batteries, see page 311

Tempo A COMMUNICATIONS COMPANY

NEW

Sidekick T&N

- Adds Transmission and Noise testing
- Improves productivity
- Reduces number of testers needed



The new Sidekick T&N combines the functions of the Sidekick 7B plus the features of Transmission and Noise testing. The result is an even more versatile test set that identifies frequently missed faults as well as tests and qualifies the transmission quality of POTS lines. The additional features are; Loop current testing to 100mA, Circuit loss testing from -15 to +1dBrnC, Metallic noise testing from 0 to 90dBrnC, Power influence testing from 50 to 100dBrnC and Load coil detection.

Standard features are stressed noise detection on dry and working pairs. Resistance measurements, AC and DC voltage measurements, and capacitive kick. It provides tone for identification. Minimal drying effects in all ranges. Operates on four included AA batteries. Measures 10.75 x 4.25 x 2.5" weights 2lbs. Soft carry case included.

Cat. No.	Mfr. No./Description	Each
465-006	Sidekick T&N test set	$1075.00



TRIPLETT CORPORATION

Model 4 and 5 Subscriber Loop Test Sets

- Circuit test, tone generator and volt-ohmmeter in one
- Preferred by telephone service technicians

Accurately measures circuit loss, circuit noise, power influence (noise to ground) and line current. Tone generator feature allows user to select from 15 fixed plus two user-defined frequencies. Both testers provide a full range of voltage and resistance measurement. Analog display on **56-355** provides a clear view of fluctuating readings. **56-360** presents data on accurate, easy to read ½", 3 digit LCD display. Complete with full cord sets, protective covers, batteries and spare fuses. Three year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
56-355	Model 4 Subscriber Loop Test Set	$695.00
56-360	Model 5 Subscriber Loop Test Set	739.00

For replacement batteries, see page 311

Call our 24 hour/7 day FaxBack service at 602-453-2671 for complete specs.

Open Meters

- Accurate on dirty lines
- Reduces isolation time
- Multi-functional



Tempo A COMMUNICATIONS COMPANY

The Tempo Open Meter, available in a digital or analog version, can provide accurate readings even on dirty lines. Most open meters are affected by resistive or battery crosses, these models measure through such conditions with pinpoint accuracy. Even the presence of load coils will not affect meter accuracy. Using the analog model you can in fact identify up to three load coils on the line. The meter is calibrated in feet, measures mutual line capacitance of 0.050 to 0.120μF/mile (for either mutual or conductor to ground measurements.) The meter tests for opens or splits up to 200,000 feet, capacitance, AC/DC voltage to 100V, resistance to 2Megohms, and is accurate to ±1% up to 10,000 feet. Operates on four AA batteries, included. Measures 8.75 x 3.5 x 1.6" weighs 31oz.

Cat. No.	Description	Each
465-001	7C Analog Open Meter	$465.00
465-002	7D Digital Open Meter	565.00

Tempo
A COMMUNICATIONS COMPANY

Sidekick 7B



- Reduces repeat service calls
- Increases productivity
- Works on any twisted-pair

The Sidekick 7B quickly and accurately uncovers intermittent faults that other test sets cannot detect. It can be used by technicians to troubleshoot inside wiring and outside plant cabling, and from closures to connecting blocks. It provides the standard features required by technicians such as AC/DC VOM and kick meter they have come to rely upon.

Additionally the Sidekick 7B provides the technician, in a hand-held and easy to use package, the ability to determine the stressed noise susceptibility of dry or working pairs. It reads the audible noise produced on a faulted pair that is stressed by a 90dBrn longitudinal excitation. The Stress Test determines the capacitive and series resistance balance characteristics of twisted pair at any point along the pair. It is capable of identifying DC resistive or capacitive imbalances undetected by other subscriber loop tests. The Stress Test is highly effective in identifying imbalances produced by series resistance opens (high joints.)

A Leakage Test detects intermittent resistance faults that do not appear under normal VOM tests. When a faulted pair is taken out of service, galvanic action forms an insulative oxide layer over the faults. When returned to service, such pairs develop noisy static in a relatively short time. The Leakage Test uses 135V to punch through such oxide layers and reveal the fault.

Sidekick 7B operates on four included AA batteries. It comes with a soft carry case. It measures 10.75 x 4.25 x 2.5" @ 2lbs.

Cat. No.	Mfr. No./Description	Each
465-003	Sidekick 7B Test Set	$670.00

Caller ID Test Set



The ID'R Plus Caller Identification test set which operates with over 18 different Caller ID formats in North America. Its simple, one button operation provides; DC voltage testing, line noise testing, Caller ID testing, visual message waiting indicator (VMWI) and Caller ID in Call Waiting (CIDCW.) This unique, low cost test set has many other attractive features including manual and auto-off, 30 hours of continuous operation, weather resistant construction, and a high resolution LCD for improved viewing. In addition to delivering date, time, telephone number and name (where available), the ID'R also indicates excessive noise or the absence of battery. Operates on one included 9V battery. Measures 5 x 3.2 x 1.5" weighs 8.1oz.

Cat. No.	Description	Each
465-008	ID'R Caller ID test set	$227.00

Master Hunter Probe



- Identify critical data circuits without connection
- Improve customer satisfaction

The Master Hunter identifies data circuits carrying 56 kbps and 1.544 Mbps signals without the technician manually switching modes. It detects 1.544 Mbps T-1, SLC-96, DMS-1 URBAN, ADSL and Primary Rate ISDN. It can also detect standard tones from tone generators. The Master Hunter can be used on digital loop carrier systems, remote terminals and on customer premises equipment.

Upon signal detection the Master Hunter emits an audible tone, an LED illuminates indicating bit rate and service. By using inductive technology the technician does not have to make electrical connection eliminating the chance of dropping service on these critical and high profit circuits. Operates on 9V battery, included. Measures 7.5 x 2 x 1.6" weighs 6oz.

Cat. No.	Description	Each
465-010	Master Hunter data circuit probe	$148.00

PROGRESSIVE ELECTRONICS

Load Coil Detector

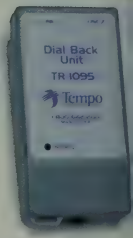


- Designed to withstand the rigors of daily use
- Quickly troubleshoot dedicated lines

Designed for the telecommunications market, the model 88 will identify the presence and count the number of load coils on an active or inactive circuit. No complicated screens or test instructions to decipher. Simply connect the test leads and turn the switch. While gradually turning the control, the display will "kick" to signify each coil detected on the pair. The tester will accurately identify and count up to four load coils on the circuit under test.

Cat. No.	Description	Each
565-015	Load Coil Detector	$79.00

Dial Back Unit



- Test CID with single person
- Easy to use

Assists in verifying a subscriber's Caller ID and Caller ID in Call Waiting. By calling the Dial Back Unit from the customer's premises, a technician will receive up to two return calls. The one person operation eliminates the need for assistance from additional personnel during testing. Also, the unit's voice prompts lead the technician through simple menu selections that allow a variety of user settings.

The Dial Back Unit is available as a desktop model. It is powered by an AC power adapter. Measures 7.5 x 2 x 1.5" Weighs 6.4oz.

Cat. No.	Description	Each
465-007	Dial Back Unit	$645.00

BIDDLE INSTRUMENTS

Handheld TDR

- Perfect for Telecom, CATV, wireless and power cables
- Large easy-to-see display



This battery powered, handheld TDR can identify many types of faults on any cable consisting of at least two insulated metallic conductors. It has internal matching networks of 25, 50, 75 and 100 Ohms. The balance and velocity of propagation controls allow you to closely match any cable. It has a measurement range of 30 to 9000' with resolution of four inches. The unit autoranges around the cursor giving the best view of the fault. The large back lit display is easy to read. Includes case, leads, manual and 6 AA batteries. 9 x 4.5 x 1.9", 1.3 lbs.

Cat. No.	Mfr. No./Description	Each
293-501	510E TDR	$1450.00

For replacement batteries, see page 311

High Accuracy TDR

- Improved accuracy
- Identifies return loss
- Very rugged construction



The TR 3120 is a full-feature TDR using STEP technology. STEP technology is far superior to pulse technology used in many TDRs. By sharply increasing the rise-time for 0VDC to 1GHz the TR 3120 allows you to detect faults in the cable within the first inch. With sampling circuitry and STEP, the TR 3120 gives you the ability to pinpoint cable faults down to an accuracy of one half inch.

The cable under test is measured as impedance. Any impedance change is detected and visually displayed on the graphical screen. Simply run the cursor over the mis-match on the screen and the distance is displayed. These mis-matches are typically caused by opens, shorts, water, flat spots, and known or unknown splices in the cable.

The TR 3120 is menu operated and can be run in manual or automatic modes. This allows you to tailor the TR 3120 to your specific needs. You can set cable type, zero set, save and recall, print and more. It operates on a sealed lead acid battery. Measures 10.75 x 9.75 x 5" weighs 6.5lbs.

Cat. No.	Mfr. No./Description	Each
465-009	TR 3120 TDR	$3535.00



PROGRESSIVE ELECTRONICS

Open Fault Meter

- Effective range up to 20,000 feet

The model 230 Open Fault Meter does away with all of the complex procedures and instructions. It is field calibrated for accurate results every time and easy, step-by-step instructions let first time users find opens fast. It's unique design allows the 230 to be used on both clean and dirty opens. The unit will read through cross battery, grounds, and shorts without affecting performance. At half the size and weight of other units, it can easily be used on poles when working aerial troubles. The meter is housed in a protective carrying case and includes a shoulder strap. 10 x 7.5 x 3.5". Requires 8 AA batteries, included.

Cat. No.	Description	Each
565-017	Open Fault Meter	$453.00



PROGRESSIVE ELECTRONICS

Resistance Fault Meter

- Effective range up to 20,000 feet
- Compact size and lightweight portability
- A clear LCD display provides distance in feet

The 210 Resistance Fault Meter provides telecommunication technicians with an easy-to-use method of measuring distances to faults or straps on outside plant telephone wiring. Installation, maintenance, loop, and cable repair technicians can successfully locate high resistance shorts, grounds, and crosses even in the presence of foreign voltages. The simple operating instructions and easy to follow reference label lets new technicians diagnose trouble on the first call. Come complete with extra long, 48 inch test leads with bent nose piercing clips for use on terminated or non-terminated pairs, along with a durable protective case. 10 x 7.5 x 3.5". Operates on 8 AA batteries, included.

Cat. No.	Description	Each
565-016	Resistance Fault Meter	$670.00

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BIDDLE INSTRUMENTS

General Purpose TDR

- Dual input and output ports
- 15 memories

An advanced TDR for identifying cable faults. Use it on telephony cables and graphically view any faults or line activity such as opens, shorts, taps, branches, load coils, transformers, capacitor networks, splices, water saturations and crosstalk in a range up to 48,000' (16km). It is completely adjustable, so even minor faults far out on the cable can be identified. With dual ports and 15 trace memories, you can perform comparative tests. RS232 port and included software lets you print or download your trace memories. Includes case, test leads, manual and six AA batteries. 9.8 x 7.9 x 4.3", 3.3 lbs.

Cat. No.	Mfr. No./Description	Each
293-535	CFL535E TDR	$2750.00

For replacement batteries, see page 311

BIDDLE INSTRUMENTS

Cable Fault Locator



The CFL800E is a hand-held, low-cost, multi-function instrument combining a volt meter, insulation tester, TDR and automatic resistance bridge into a single tool for all basic cable verification and fault finding. In TDR mode, cable features, low resistance faults and open circuits appear on the graphical screen, with distance to fault displayed, up to 9000 feet away. Advanced features including pulse matching, pulse reflection amplification and "TX Null" ensure you can locate the closest and most elusive faults.

In bridge mode the CFL800E will locate high resistance faults (up to 20Megohm) on a cable with total resistance of 2 kilohms. This equates to a cable 60 miles long, depending on conductor material and thickness. Also included is an insulation tester. This can be used to identify the existence and nature of cable faults and determine which wires within a cable are faulty. Loop resistance measurements can also be obtained to help qualify cables for broadband digital services such as ISDN, HDSL and ADSL.

The CFL800E also has a 250 volt DC meter to measure voltage and polarity, confirm telecom network voltage and test balance on a pair. The unit comes with carry case and test leads.

Cat. No.	Description	Each
293-800	CFL800E Cable fault locator TDR	$2100.00



565-501

PROGRESSIVE ELECTRONICS

Wire and Cable Locators

Find metallic wire, cable and conduit in walls, ceilings and underground. Transmitter injects high frequency signal and probe detects tone.

565-558 attaches to wire via alligators or direct AC plug (safe for live 115vAC lines.) Detects signal up to three feet deep out to 1000'.

565-501 uses higher power and attaches directly, inductively with clamp or through antenna in case. Works up to 7' depths up to 4000'.

Cat. No.	Mfr. No./Description	Each
565-558	508S Mini-Tracker System	$287.50
565-501	501 Underground Cable Locator System	687.00

For replacement batteries, see page 311

565-558



HARRIS

ISDN Test Set

➥ **RainSafe™ and DropSafe™**

Basic rate ISDN test set is for prequalification, installation and maintenance. It has common sense menus and built-in plain English help functions for ease-of-use. Conventional line technicians can handle any ISDN aspect. It tests the two-wire U interface, and permits inspection of the four-wire S/T interface inside customer premise.

Features single and dual B channel BERT, auto call yourself BERT, FEBE and NEBE testing, embedded operations channel, 64K and 56K data and voice calls, amplified speaker, mute switch, 40kHz tone U interface and 96kHz tone S/T interface.

Three modes enable easy analysis from the CO to all points downstream. NT1-TE mode provides Terminal Equipment emulation at the U interface for prequalifying and fault isolation. TE mode tests the S/T interface between customer's network terminator and terminal equipment. LT mode provides dry-loop prequalifying for ISDN prior to CO availability. Operates on included NiCads which can be replaced with AA alkalines.

Cat. No.	Mfr. No./Description	Each
237-250	TS250 ISDN Test Set	$1995.00

For replacement batteries, see page 311



Agilent Technologies

Aurora^{Plus} Basic Rate ISDN Test Set

➥ **New and improved** ➥ **Includes POTS testing** ➥ **Loudspeaker monitor**

The new Trend Aurora^{Plus} is an easy-to-use Basic Rate ISDN test set for office or field technicians. It offers rapid and reliable fault isolation through the use of menus and explanations shown on its 12 character, 4 line backlit LCD screen.

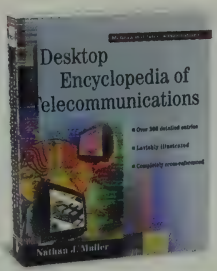
It can test most ISDN call and connection types at the U-interface and on the S-Bus; either point-to-point or point-to-multipoint. The Aurora^{Plus} uses the national ISDN protocol as well as AT&T and Nortel custom switch protocols. It displays dialed number, calling party number, cause codes (with explanations), control and status information. It can make dual, simultaneous B-Channel calls and perform a D-Channel packet test.

With a built-in bit error rate test the Aurora^{Plus} can originate a call on one B-Channel and receive the call on the other. Line polarity, cross-talk and analog loops are tested and identified. Line voltage is displayed to identify interface. The Aurora^{Plus} is available with POTS testing for analog lines, no need to carry an old-style test set. RS-232 port for software upgrades.

Cat. No.	Mfr. No./Description	Each
315-100	429-U Aurora^{Plus} Basic Rate ISDN Test Set	$1395.00
315-200	429-UA Aurora^{Plus} Basic Rate ISDN Test Set w/POTS	1595.00



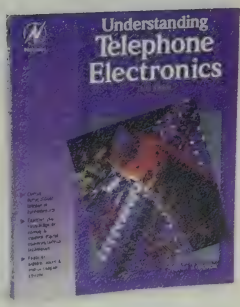
Desktop Encyclopedia of Telecommunications



Telecommunications technology and terminology continue to evolve at a rapid pace. In a single, alphabetically organized volume, this book clearly explains voice and data applications, LANs, WANs and satellite networks; the Internet and intranets; new technologies and acronyms; fiber and wireless; cellular and cable; components and concepts; and much more. Also included are discussions of key regulations and standards, and the various organizations that have contributed to the industries' growth. 602 pages.

Cat. No.	Description	Each
960-025	Desktop Encyclopedia of Telecommunications	$49.95

Understanding Telephone Electronics



This book explores speech signal processing, telephone line interfacing, tone and pulse generation, and ringers. The concepts and principles are accompanied by a thorough look at the world of digital communications. It gives advantages and disadvantages of digital transmission, sampling, coding, and the various formats of multiplexed systems. The Central Office and all the various transmission modes are also included. 367 pages.

Cat. No.	Description	Each
128-006	Understanding Telephone Electronics	$24.95

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

TS1000™ ADSL Test Set

- Alcatel DMT compatible
- Battery powered
- Quick & easy service verification
- Durable

Harris, the industry leader in POTS and ISDN testing technology, now offers the TS1000 handheld unit for ADSL testing, verification and troubleshooting. The TS1000 gives the line test technician a greater range of analysis capability for field installations, and is ideal for the IT manager for reducing on-site repair expenses.

Features

Display Up and Downstream parameters
- Attainable bit rate
- Maximum bit rate
- Noise margin
- Relative capacity
- Output power
- Attenuation
- Channel bit rate

Firmware upgradable
Extra strong combi-cord with angle clips and RJ-11 plug

The TS1000 gives you the ability to easily synchronize with the service provider's CO DSLAM before or after the splitter, lets you isolate the failure cause between the customer's on-site equipment and the service provider, and allows you to validate service activation and compare the actual throughput against the subscribed rate. And for continuing bandwidth expansion, the TS1000 lets you measure for maximum line capacity. Advanced features allow you to monitor the noise margin, power level and attenuation simply by scrolling up of down the navigation buttons.

Designed to withstand unfavorable field conditions, the TS1000 features a backlit LCD display for low light conditions and is housed in a durable splash-proof casing. Lightweight and portable, the TS1000 test set combines ease-of-use with advanced ADSL testing technology. Measures 4 x 8.3 x 2".



Cat. No.	Mfr. No./Description	Each
237-100	TS1000 ADSL Test Set	$1475.00



TS®45S ADSLSafe™ Test Set

The fantastic rise in the number of xDSL installations projected for the next ten years necessitates the field technicians' usage of more up-to-date test sets. The TS45 is the next step in data lockout technology. The patent-pending ADSLSafe circuitry allows technicians to butt in on a live DSL line to test the POTS service without downing the data service. As a result, your technicians are not causing trouble tickets on these high profit lines but closing them and your customers' satisfaction soars.

Technicians will like the features built into this new test set; data lockout with warning for T1, E1, ISDN (PRI & BRI), HDSL, SW56, ADSL and SLC, enhanced overcurrent protection, weatherproof case, DropSafe to 20', power sharing for longer battery life, side mount talk/monitor switch, rail mount clip, high fidelity Speakerphone, 10 number memory, hook flash, PBX pause, hearing aid compatible speaker, volume control, ABN clips and polarity indicator.

Cat. No.	Mfg. #/Description	Each
237-450	TS45 ADSLSafe Test Set w/ABN Clips	$548.00



ADSL/POTS Splitter

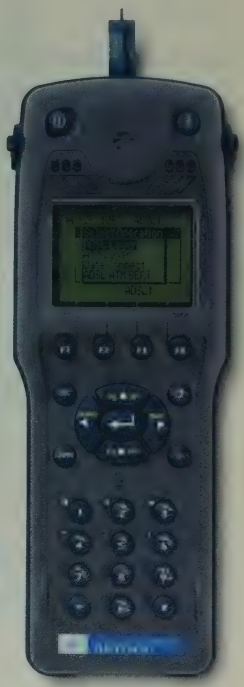
The first handheld splitter in the field with bridging capability. You can troubleshoot the permanently installed POTS splitter at the NID without downing the ADSL service. With the Splitter you can draw dial tone from anywhere on the line without downing the ADSL service, very important when servicing business subscribers.

Built to standards T1E1.4 and G.992.2 it is guaranteed to work with all ADSL services regardless of carrier or level of service. It isolates POTS device load impedance from the line to prevent attenuation and harmonic distortion of the ADSL signal. Prevents ingress of ADSL signal into POTS service. Convenient termination or connection via alligator clips, RJ14 or RJ45 jacks with clearly marked pins and connectors.

Cat. No.	Mfg. PN/Description	Each
237-410	10410-100 ADSL Splitter	$85.00

Aurora[presto] ADSL Tester

- ADSL layer testing
- Optional DSLAM, IP and ATM testing
- Handheld package



The Aurora Presto has been developed to provide all the functions necessary for a technician to install, maintain and troubleshoot Asymmetric Digital Subscriber Lines and services. This compact flexible and simple-to-use unit can provide Analogue line testing, ADSL layer testing with "Golden Modem" operation and ATM layer or IP application layer testing, all using easy "one touch" fully automatic testing or manual "expert" mode for more in-depth diagnosis. Fully automated Go/No go testing is provided from up to 20 selectable user-defined test profiles which may be edited on screen or via PC.

Aurora Presto with the ATU-R can function as a "Golden Modem". In this mode the Presto completely replaces the remote modem, connecting to the user equipment through either its built-in 10 Base T Ethernet port or the optional ATMF 25.6 interface card. With the modem card installed the Presto can measure Upstream/Downstream rates and DMT BIN capacity, perform line BERT and other quality tests including noise determination, providing results in exportable text or graphical form. Tests include: ATU-C (Central Office Modem) simulating Network to Modem/DTE or ATU-R (Remote Modem) operation simulating Modem to DTE or DTE/Modem to Network. Upstream/Downstream rates and DMT BIN capacity. Golden modem through-line and termination mode testing. Line BERT and quality tests. Noise tests with graphical results.

With ATM providing the main transport technology for ADSL networks, Aurora Presto takes several steps ahead of similar testers with it's full ATM layer cell stream handling. The ATM layer tests provide actual useable data throughput - a function not available with "ADSL Layer only" testers. ATM Layer test functions include; ATMF 25.6 interface, AAL-5 statistics and analysis, ATM BERT measurements, VCI/VPI Statistics and Errors, ATM DTE BERT testing, ATM cell steam throughput tests, Storage of test results for export.

As part of the IP test support, aurora Presto can perform IP PING functions to terminals through the 10BT port and through the ADSL interface on a specified ATM VCI/VPI including payload supported and multiple PING test selection. Using an advanced MAC Bridge learning process, the user never needs to know the direction or origin of the PING to perform the test. The Aurora Presto brings simplicity to a complicated world. ADSL pair Ethernet/ATM25.

Cat. No.	Description	Each
218-100	Presto xDSL Tester ATU-R	$3600.00
218-120	Presto xDSL Tester ATU-R, ATU-C	6000.00
218-130	Presto xDSL Tester ATU-R, ATU-C, ATM 25.6 DTE	6995.00

Agilent Technologies

LT2000 xDSL Tester

- Small and easy to use
- Improve productivity



The LT2000 is an easy to operate battery powered field instrument for verifying the quality of copper pairs for analog and digital transmissions with bandwidth requirements up to 2MHz. The LT2000 can perform measurements for noise, level, attenuation, crosstalk, longitudinal balance and return loss for a variety of transmission systems including baseband for voice and standard analog modems, 160 kbps, 1.5Mbps, 2Mbps, HDSL and ADSL.

Specifications	
LEVEL GENERATOR	
Output impedances:	<10Ω 150Ω, 600Ω balanced.
Output frequency bands:	200 Hz to 2 MHz.
Resolution:	1 Hz from 200 Hz up to 10 kHz; 100 Hz from 10 kHz up to 2 MHz.
Output level:	0.0 dBm ± 0.2 dB @ 10 kHz.
SELECTIVE LEVEL METER	
Input impedances:	150Ω
Tunable frequencies:	Tracking with TX frequency (200 Hz to 2 MHz)
Resolution:	1 Hz from 200 Hz up to 10 kHz; 100 Hz from 10 kHz up to 2 MHz.
Level measurements:	absolute (dBm) and relative (dBr).
Input range:	<= -100 to +5 dBm/resolution: 0.1 dB.
Intrinsic cross talk:	<=-90 dBm @ 1 MHz.
AUTOMATIC MEASUREMENTS IN SWEEP MODE	
Automatic Measurements:	
	* Noise (or Level): - frequency & level readout of min. and max. noise level.
	* RMS noise level readout on programmed wideband.
	* Return-loss: - frequency & level readout of min. and max. echo level.
	* Near Cross talk: - frequency & level readout of min. and max. cross level.

The LT2000 provides line plant technicians all the information about the transmission parameters of copper pairs for their suitability for Digital Subscriber Loop deployment. Used pre- and post-installation, and for maintenance troubleshooting, the LT2000 can pinpoint any degradation of a pair's performance.

The LT2000 can even be used as an intercom on the pair under test. Operates on rechargeable batteries. Measures 4 x 1.6 x 8.25" weighs 2.2lbs. Complete with soft carry case and test leads.

Cat. No.	Description	Each
218-200	LT2000 xDSL copper pair tester	$2795.00

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aurora^{Jazz} Portable ATM Tester

- Emulate end equipment or transmission network.
- Fault finding on access network or transmission network.
- Monitoring of network circuits.
- Quality of Service (O.191) and Service Level Agreement verification
- OAM cell processing
- IP Ping
- Lightweight, handheld, battery powered.
- High visibility LEDs, configurable for any physical interface alarm
- Two interface ports for installation of user-changeable modules. Interface types: OC-3/STM-1 single mode (155Mbit/s); OC-3/STM-1 multi mode and CAT5 UTP (155Mbit/s); E3 (34Mbit/s) and E1 (2Mbit/s); DS3 (45Mbit/s) and DS1 (1.5Mbit/s)

aurora^{Jazz} can be configured to emulate terminal equipment or the network termination allowing it to function in any ATM environment.

- Emulate end equipment or transmission network.
- Fault finding on access network or transmission network.
- Monitoring of network circuits.

Each interface can be flexibly configured for the line type and network framing being used. Analysis is provided of physical alarms, including the ability to inject alarms. The ability to carry out physical framed Bit Error Rate Testing (BERT) will ensure that the cable quality is adequate for the ATM service.

- Commissioning of physical circuits and ATM virtual circuits.
- Generate network alarms at physical and ATM layer.
- End to end circuit testing, or segment monitoring.
- Physical and ATM Bit Error Rate Testing to check transmission line quality.

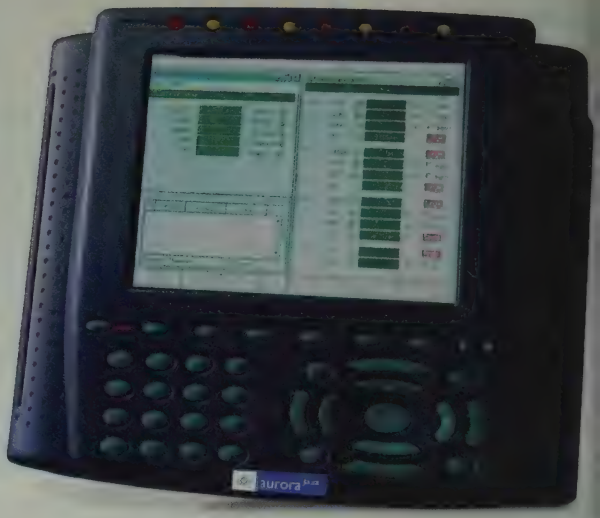
Network managers can also have confidence that they have invested in a tester that will meet and exceed their present requirement, and allow their engineers to operate at a high level of productivity.

The auroraJazz is equipped with a large, color LCD screen to give quick and easy operation of all the features. The simple cursor and menu software operation provides all the test functions with the minimum of product training, in some cases a complete test can be run and evaluated with just 3 key presses. aurora^{Jazz} can contain two physical, user-changeable interface modules which allows any mixture of line testing to be carried out, from 1.5Mbit/s to 155Mbit/s.

aurora^{Jazz} provides all the test needs for operational ATM networks. The interchangeable interfaces provide for any mixture of SDH, SONET or PDH and the tester can carry out complete physical layer and framing analysis, and error reporting. Other tests include ATM cell BERT and OAM cell analysis. ATM traffic tests allow complete profiling of up to 1024 cell streams, including average and peak cell rates, cell loss statistics and O.191 Quality of Service measurements over Permanent Virtual Circuits (PVC). Applications involving the transfer of TCP/IP message packets can be tested using an IP PING to ensure end to end connectivity.

Traffic monitoring

1024 ATM circuits can be monitored simultaneously with aurora^{Jazz}. Summary information is provided of Peak Cell Rate, Average Cell Rate, alarm status, cell discard tagging, and detailed circuit information gives total cell count etc. Circuits may be marked for Traffic Policing verification which provides statistics of contract violations and can discard non-conformant cells when the aurora^{Jazz} is looping cellstreams from Receive to Transmit ports.



Quality of service and service level agreement verification

The ITU-T O.191 test method is implemented to provide detailed assessment of circuit quality by measuring lost cells, mis-inserted cells, cell transport delay, and 1 or 2 point cell delay variation. Counts are provided of Severely Errored Cell Blocks, Errored Seconds and Severely Errored Seconds. This test method is designed for proving that circuit performance meets the requirements of the service user and can be used by the network operator to demonstrate to the customer that the network performance is satisfactory.

- Quality of Service testing (O.191) for cell errors and cell timing to prove Service Level Agreement is being supplied.
- OAM cell processing for circuit alarms, continuity check and loopback.

IP ping

aurora^{Jazz} is able to send and receive Ping messages through a selected ATM cellstream. This enables the tester to prove IP connectivity to routers over the ATM network. Response messages will also be generated when Ping messages are received from other devices. Up to 16 addresses are supported and a measurement of loop time is provided. The Ethernet port will respond to PING messages received from other devices.

IP Ping on ATM cellstreams and Ethernet.

Interfaces — any two of these interfaces may be installed:

- OC3/STM1 Optical Single Mode, 155Mbit/s, (SDH and SONET framing), SC connector.
- OC3/STM1 Optical Multi Mode and Electrical CAT5 UTP, 155Mbit/s, (SDH and SONET framing), SC and RJ45 connectors.
- E3 34Mbit/s (G.751 ADM/PLCP, G.832 ADM) and E1 2Mbit/s (G.704 PLCP, G.804 ADM, CAS and CRC), BNC and RJ45 connectors.
- DS3 45Mbit/s (ADM/PLCP, C-bit/frame) and DS1 1.5Mbit/s (ADM/PLCP, SF/ESF), BNC and Bantam connectors.

Cat. No.	Mfr. No./Description	Each
218-737	Jazz ATM Tester Base Unit	$8,495.00
218-731	DS3 & DS1 Interface Module	3,995.00
218-733	1310nm SM IR OC3/STM-1o Interface Module	5,495.00
218-734	1310nm SM IR OC3/STM-1o & CAT5 Interface Module	4,995.00
218-320	Soft Carry Case	195.00

T1 Testers and Verifiers

BIDDLE INSTRUMENTS

- Handheld, test anywhere from CO to CPE
- Intuitive interface is easy to use
- NiMH batteries provide up to 7 hours of testing

The Megger InterroGatr 10T1 and 20T1 are compact, feature packed T1 test sets that can be used for in-service or out-of-service testing. Complete, end-to-end T1 span testing is possible with the industry standard Loop Codes most often used. The units can be used as a DSX point or bridged to the facility at any point in the span.

The 10T1 provides common T1 BERT results including; bit errors, BPV errors, frame errors, CRC6 errors, errored seconds. The 10T1 also provides you with common alarm/status results and history including; signal present, out of frame, pattern sync loss, yellow alarm, blue alarm, excess zeros, ones density and DS1 idle code. Th unit measure DS1 and DS0 level and frequency, with the DS1 level displayed either in dBDSX or in volts. Receive channel data bits are quickly viewed on the front panel display. The 10T1 provides a VF drop with volume control to a speaker or headset for use in noisy environments. Since the units' receiver is always in evalus=te mode the is completely independent of the transmitter, the 10T1 doesn't even require you to know how the span is provisioned prior to testing. It will tell you how the span is provisioned and immediately start diagnosing your problems.

The 20T1, in addition to its lightweight, battery powered design, offers the following. Tranmission on standard, HDSL and Smart Repeater loops. Operating modes which include Originate, Fractional T1, Half Duplex Drop and Insert, Test Loopback, Local Loopback and Tone Insert. It performs BERT on one of 17 standard stress patterns and two user-defined 32 bit patterns. Store four programs. Measure DS1 level and frequency in volts and dB. Detect timing problems such as clock slips. Indicates AMI or B8ZA line coding. Displays DS0 frequency and level. Displays DS0 data and signaling. Logic, BPV and Frame Single and Error Rate Inject. Detects DTMF digits. G821 performance analysis. It has a printer port built-in.

Both units measure 1.75 x 5 x 9" and weigh 26 ounces. Operate on NiMH batteries and come with charger adapter.



Cat. No.	Description	Each
293-091	20T1 Megger InterroGatr	$2995.00
293-090	10T1 Megger InterroGatr	1995.00

TS®1200 ADSL/POTS Test Set

HARRIS

- All in one tester
- Easy to use
- Speakerphone for hands free listening

Handle trouble tickets one either POTS or ADSL lines with one test set. The TS1200 ADSL/POTS tester from Harris offers the very best in DataSafe POTS testing, comdined with the ability to to test and troubleshoot ADSL lines. Test ADSL while talking on the voice frequencies of the line. It allows off-hook testing of POTS lines without disrupting data services. As a result trouble tickets are cleared rather than created.

Easy menus and auto testing make it perfect for even inexperienced techs. It includes a "Home" button that allows access to all major testing modes and configuration functions from one screen. Plus, you can validate service activation, isolate failures between the customer premises and service provider, and measure thoughput, line capacity, and other parameters all in one test set. The backlit LCD displays 8 lines of text and can plot a bits-per-bin graph of test results. You can save five results for downloading and printing from a PC.

You can do an auto-test, which takes a snapshot of the ADSL line, or you can do a manual test, allowing you to monitor line conditions for up to 90 minutes. On-screen icons show volume level, battery and charging levels, polarity, and speaker or mute button activity. An alarm display shows loss of signal, frame, power, or margin at the near or far end of the line. Some tests are attainable bit rate, channel bit rate, max line capacity, attenuation, output power and noise margin.

It has high voltage protection, DropSafe and RainSafe construction give it the durability you are used to with a Harris set.

On the POTS side it has PBX pause, DataSafe circuitry, high impedance monitor, ten number speed dial, speakerphone for hands free work and runs on alkaline or rechargeable AA batteries (charger and batteries included). Works with any Alcatel compatible DMT DSLAMs. Comes with Windows software for firmware upgrading, angled bed of nails test cord with RJ11 plug. Measures 10 x 3.75 x 4.25" weighs 2.5lb. One year warranty.



Cat. No.	Mfg. #/Description	Each
237-120	TS1200 ADSL/POTS test set	$1795.00

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Fax Lines: 800-366-9662 • 602-438-1690



565-076

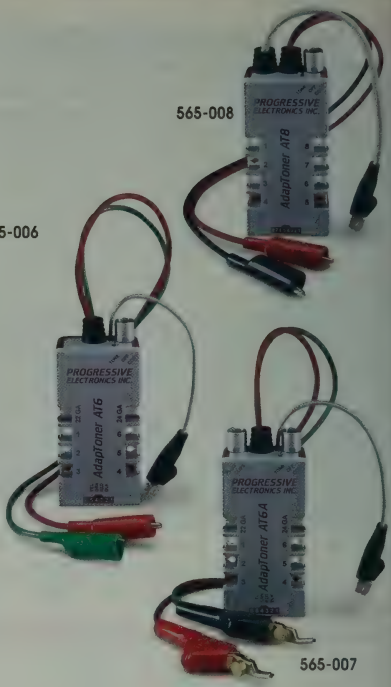
565-600



565-003



418-487



565-008

565-006

565-007

Standard Tone Generators

- **Applications in all wiring and cabling industries**
- **Fast and accurate wire identification**

Tone generators provide four basic functions of tone injection, continuity testing, applying a talk battery, and line polarity indication. Talk battery allows test sets to go off-hook and communicate over a dry pair. Tone generators apply tone via pair one (inside tow wires) on a six position modular plug and through alligator clips.

77HP provides high power output along with a compact size. It is the standard.

77HP/6A is mounted with heavy duty telecom style angled bed-of-nails alligator clips, which provide a quick and secure connection to common 66 punch block fingers with less danger of shorting.

100B is the same size as the 600LS and provides a referenced, audible "beep" rate which can be used to measure resistance levels from 0 to 10 megohms.

600LS provides polarity testing on lines 1 and 2. It also has audible line condition testing indicating dead, working and off-hook pairs. It combines two 9V batteries for powering high impedance test sets in talk mode. It has audible capacitance and resistance level measurements.

77GX has standard and low power settings. Low power unbalances the signal so it can propagate down Cat 5+ cables and through short circuits. It has two-line polarity, independent continuity testing and three distinct selectable tones.

Cat. No.	Mfr. No./Description	Each
565-[illegible]	77SX Tone Generator w/Alligator Clips	$39.00
565-[illegible]	77GX2 Tone Generator w/ABN Clips	45.00
565-[illegible]	77HP Tone Generator w/High dB Output	33.00
565-076	77HP/6A Tone Generator w/Angled Bed-of-Nails Clips	37.75
565-[illegible]	100B Tone Generator	61.25
565-[illegible]	600LS Tone Generator High Output	82.50
473-[illegible]	9V Battery (one required for each, except 565-600 which reqs. two)	3.15

AdapToners

- **Perfect for mixed plants**
- **Replaces two devices**

The AdapToner provides the functionality of a standard tone generator with the utility of modular breakout adapter. As a tone generator it provides the standard tone injection, which can be picked up by any probe, making wire identification easy as ever. The same high power is thrown as in the 77 series. Continuity can also be tested by any of the AdapToners.

As a modular breakout adapter the AdapToner provides in-line and terminated access to all conductors for the connection of test sets. The jack is protected from dirt and damage by a sliding door in the bottom of the unit. The tangs are recessed and have curved edges and holes to provide a secure grip to alligator clips. Common wiring codes are printed on the back for easy reference. The six wire AdapToners sport 22 and 24 gauge wire strippers. Additionally, you can attach the alligator clips to any pair via the tangs to inject tone.

The AT8L LAN Toner adds polarity checking (POTS lines) and circuitry to blink the activity LED on an Ethernet (10BaseT and 100BaseT) hub, switch or network interface card. Along with the tone injection and modular breakout utility, the AT8L makes a complete POTS and LAN front line diagnostic tool.

Cat. No.	Mfr. No./Description	Each
418-847	AT8L LAnToner	$69.00
565-006	AT6 AdapToner 6-Position	68.00
565-007	AT6A AdapToner 6-Position	81.50
565-008	AT8 AdapToner 8-Position	63.00
473-005	9V Battery (one required for each)	3.15

Inductive Amplifier Probes

- **Work with any tone generator**
- **Simplify wire and cable identification**

Used in conjunction with any tone generator these units permit wire and cable identification. The tips of the probes act as antennae, picking up the audio frequency field induced on wire. It is then filtered and amplified and played out the speaker. Without need to connect electrically to the wire, tracing and identifying is quick and easy.

The **200EP** has an adjustable volume control. This aids you in precisely identifying the cable carrying the tone in the most congested cable bundles or crowded termination blocks, helping to overcome tone bleeding onto adjacent pairs. A visual indicator lights with the speaker. It has a recessed momentary-make switch for battery saving operation. It also incorporates recessed tabs for the connection of test sets or headsets, which turn off the speaker. This is helpful for working in noisy environments or when you don't want to disturb customers. It comes with a round plastic tip installed and a plastic duckbill tip and metal tip.

The **200FP** has a slim, comfortable design. Recessed momentary-make switch, adjustable volume control. A LED lights when signal is received. Recessed tabs for buttset or headset connection like the 200EP above. Its greatest feature is the patented circuitry which filters out the annoying and obtrusive 60 Hertz hum which can be induced on to pairs coming into proximity to power lines. Comes with two tips, round and duckbill.

The **200GX** has a comfortable design. It includes a LED indicator of signal strength. Recessed tabs for buttset and headset connections.

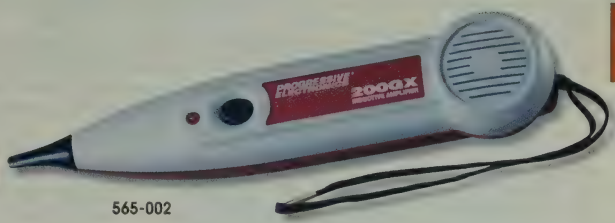
Cat. No.	Mfg. No./Description	Each
565-100	200FP Filter probe	**$118.00**
565-225	200EP Probe	**61.25**
565-002	200GX Probe	**65.75**



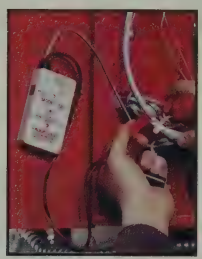
565-225



565-100



565-002



Model 620K Security/Alarm Kit

The 620 Loop Verifier is designed specifically for security/alarm techs. It operates as a continuity tester on N.O.and N.C. circuits, giving an audible tone when it detects an alarm condition. It latches a change for identifying "swingers" and operation of remote switches. It also injects tone into via clips or RJ-11 plug and has magnetic back plate for mounting to cabinet doors. Kit includes 620, 200EP probe and polyester belt holster. Batteries sold separately.

Cat. No.	Mfr. No./Description	Each
565-062	620K Security/Alarm Kit	**$128.75**
565-620	620 Loop Verifier only	**56.00**
473-005	9V Battery (one required for 620, two required for 620K)	**3.15**



565-062

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Our most popular model

701K Classic Tone and Probe Kit

- The standard in wire & cable identification
- Applications in all industries



801K Premium Tone and Probe Kit

- The ultimate in wire & cable identification
- For the demanding professional



AT8K Tone Generator/Tracer Kit

- Perfect for network technicians
- Injects tone on any pair

With its widespread applications and terrific performance, the 701K Tone and Probe Kit has been a longtime favorite with professionals in every premise wiring industry. The 701K can be used to identify single conductors or cables within a bundle, at a cross-connect point or at remote ends. Containing the 77HP high power toner and the 200EP inductive amplifier with volume control, the 701K is housed in a sturdy woven polyester carry case with a strap for hanging on your belt.

The 801K is the premium wiring identification kit. Top of the line components make it the choice of professionals. Containing the 77HP/6A high power tone generator with angled bed-of-nails clips, increased talk battery power and higher voltage protection, and the 200FP filter probe which filters out all distracting A/C hum. The kit is complete with woven polyester belt case.

The AT8K kit offers lots of features for a great price. The AT8 AdapToner allows you to inject tone on any pair of a four pair line via its innovative modular breakout design, you can even use it as a 'banjo' adapter for connecting buttsets. Trace tone using the workhorse 200EP with adjustable volume control. Housed in rugged polyester carry case which can be worn on your belt.

The 711K kit combines the newly designed 77GX and 200GX models. The tone generator, 77GX, offers two power settings. The low setting actually unbalances the signal, allowing it to propagate much farther on high speed twisted pair cables than standard tone generators. It has three easily changed warble tones, selectable from the front panel. The 200GX is a slim and comfortable tracer with adjustable volume control and recessed tabs for connecting buttsets and headsets.

The AT8KL is the newest kit. It is perfect for the technician who works with both phone systems and computer networks. The all-new AT8KL LAN Toner is similar to the AT8 but offers new circuitry and microprocessor controls. A simple push button controls all the outputs and modes of the LAN Toner. And you can even blink the hub or switch port activity LED or the LAN LED on the network interface card in a PC. It comes with the 200GX tracer and the belt case.

Cat. No.	Mfg No/Description	Each
565-701	701K Tone and Probe Kit	$102.50
565-801	801K Tone and Probe Kit	163.75
565-088	AT8K Tone and Probe Kit	138.00
565-001	711K Tone and Probe Kit	110.00
418-848	AT8KL Tone and Probe Kit	143.00



AT8KL Tone and Probe Kit



GX Professional Grade Tone Generator and Probe

- Unbalanced signal works on Cat 5+ cables
- Save batteries with auto off
- Durable, drop tested to 20'

Carry Cases for Progressive Products

Cat. No.	Description	Each
565-700	Cordura® Holster for 77 and 200 Series®	$13.75
565-771	Belt Holster for 77HPs	7.00
565-110	Belt Holster for 100B	9.00
565-610	Belt Holster for 600LS	9.00
565-210	Belt Holster for 200 Series	9.00



565-700



565-771



NEW

Tone Generator and Tracer Kit

Tone generator provides audible tone on pair one which is inductively (non-contact) picked up and amplified using the Tracer. Continuity test and talk battery can also be provided. 9V battery provides 6.5 Volts of output. Has modular plug and separate alligator clips for pair connection. The Tracer has adjustable volume and a momentary activation switch. Tip is non-conductive, eliminating shorts when running terminal blocks. Both operate on 9V batteries, not included. Kit includes both units and durable Cordura holster case.

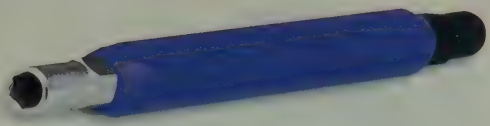
Cat. No.	Description	Each
23-077	Tone Generator high power	$30.00
23-095	Tone tracing probe	56.00
JTK-101	JToner and JTracer holster kit	90.00
473-005	9V battery	3.15



JPair 6-Wire Modular Test Adapter

➡ **Perfect for attaching toners & butt sets**

Cat. No.	Description	Each
23-019	JPair 6-Wire Adapter	$19.00

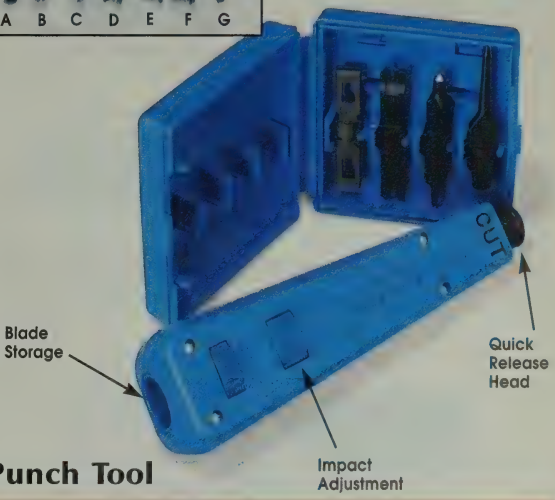


Can Wrench

Common tool used for opening telecommunications pedestals and covers. Deep nutdrivers on each end; 3/8" and 7/16" by 1 1/8" deep. Color coded for quick identification. Purchase the optional security inserts to access tamper-proof fasteners. Lifetime warranty.

Cat. No.	Description	Each
23-018	Can Wrench	$10.00
237-166	Security Insert 5/32" & 5/16" Hex	11.00
237-106	Security Insert w/ 5/16" Binding Post Cleaner	19.00





Punch Tool

Cat. No.	Description	Key	Each
23-814	Impact Punch Tool	-	$39.00
23-066	66 Blade	A	16.00
23-110	110 Blade	B	18.00

Also accepts these industry-standard blades from Harris:
Specialty Blades

Cat. No.	Description	Key	Each
237-002	Extra Long 66, Loop	-	$39.50
237-005	110 & Krone	-	57.00
237-006	Extra Long 66 Cut	-	39.50
237-057	630A Modular Jacks	C	19.00
237-500	Bix	D	47.00
237-465	3M D System	E	63.50
237-565	Krone	F	44.00
237-058	GTE Modular System	G	39.00
237-436	Metal Center Punch	-	18.50
237-645	Wood Center Punch	-	15.50
237-777	Plastic Case for 8 Blades	-	10.00
1-665	Case w/66, 110, Wood & Metal Punch	-	79.00



Tempo
A COMMUNICATIONS COMPANY

Voice Tagger Tone Generator

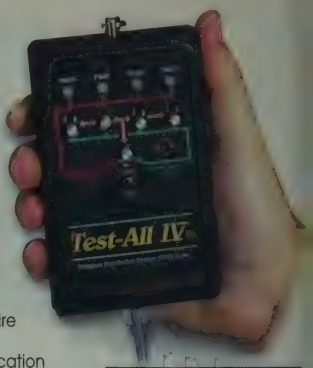
The Voice Tagger uses voice response and tone generator technologies to identify and tag twisted pair, coax, electrical and security/alarm wires. Eight of the nine test leads provide voice transmission while the ninth provides a warble tone. It has a range of 50,000 feet.

The Voice Tagger audibly identify the numbers corresponding to the attached conductors and pairs. For example, conductor #1 is identified as "One...One...One..". These voice identifications can be picked up by any inductive amplifier such as Progressive Electronics' or handset. Battery and ground are provided for talk pair circuit using handsets. Powered by included 9V battery. Measures 2.75 x 5.5 x 1.25" weighs 10.5oz.

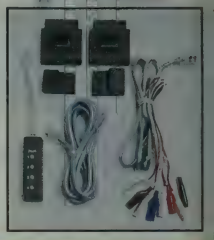
Cat. No.	Mfr. No./Description	Each
465-004	Voice Tagger tone generator	$199.00

Independent Technologies Test-All IV

- Four pair testing
- Switch selectable pair and test function
- Line voltage, pair continuity, audio tone injections
- Adapters for 66, 110, and Bix included



Reliable functions for multi-wire system testing. Each pair (USOC configured) has tri-color LED indication for AC/DC line voltage and continuity. Separate pairs can be injected with warble tone for ID tracing. Included remote shorting adapter aids in one man testing of continuity, miswires and reversals. Contains adapters for direct block connection, RJ-45 test jumpers (one each long, short, and with alligator clips), 9V battery, carrying case and operation manual. One year manufacturer's warranty.



Cat. No.	Description	Each
43-900	Test-All IV Cable Tester	$255.00

For replacement batteries, see page 311



Pocket Telephone Line Tester

- Accurately tests one & two line outlets
- Prevents damage to analog modems

Conveniently tests for polarity, DC line voltages, loop current levels, AC ring voltages. Precisely simulates off-hook state. All this in a compact pocket-clip package. Perfect for telephone, computer and network technicians. Provides a complete health check of the phone line without the need for cumbersome equipment. RJ-11 jack built-in, two RJ-11 patch cords included. 90 day warranty.

	Mfr. No./Description	Each
431-010	10 Pocket Telephone Line Tester	$19.95



JENSEN®

Talk-to-Me Communications System

- Talk and ring wires

Connect the units to any pair of conductors. The self contained units provide full duplex voice communications via earphone/mic combo. Up to four units can be connected to the same pair and talk up to 4000' depending on conductor type. Set comes with two Talk-to-Mes, headsets, and batteries.

Cat. No.	Description	Each
414-010	Talk-to-Me, pair	$140.00

Punch Tools

D814 Impact Tool

➥ **Lifetime warranty**

The D814 Impact Tool is a unique all-in-one punch-down tool that enables installers to make more efficient connections with much less effort than other wire termination tools. With a variety of interchangeable blades, the D814 impact tool is an essential part of an installers tool pouch.

D914 Impact Tool

➥ **Lifetime warranty**
➥ **Combines torque and impact**

The D914 impact tool combines torque and impact. It has a fold-away hook which is useful for racing wires from a block or picking one wire out of a bundle. You can use it to remove modules from a Krone block without cutting or damaging them. The D914 uses the industry standard blades for punching down, as well as the handy screwdriver blades.

D214

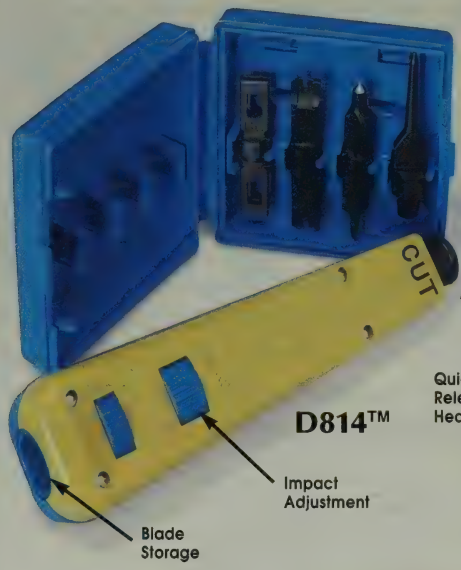
➥ **Lifetime warranty**
➥ **Economical**

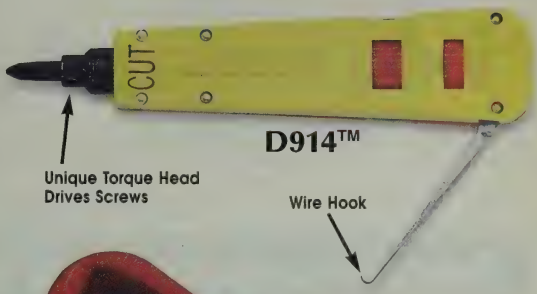
The D214 is a non-impact punch tool perfect for low volume work. Whether you're an electrical contractor transitioning to telecom work, or a network technician making occasional punches the D214 is a cost effective choice. Made from durable hard rubber its still easy on the hands. It accepts all of the standard Harris punch blades.

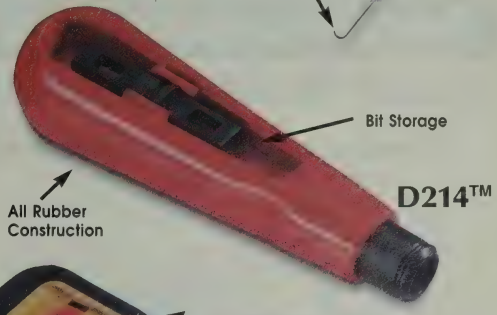
D914S

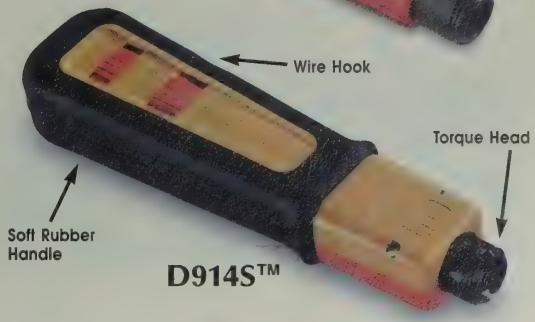
➥ **Lifetime warranty**
➥ **Super comfortable grip**

The D914S impact tool provides better comfort and performance through a new ergonomic design. A soft rubber over-molding provides a sure grip and absorbs the vibrations of impacts, protecting the hand and wrist. Great for high volume termination work. The D914S works with all Harris punch-down blades. And it comes with a handy hook, for racing wires on a block, picking wires out of bundles and prying modules out of Krone blocks without damaging them.





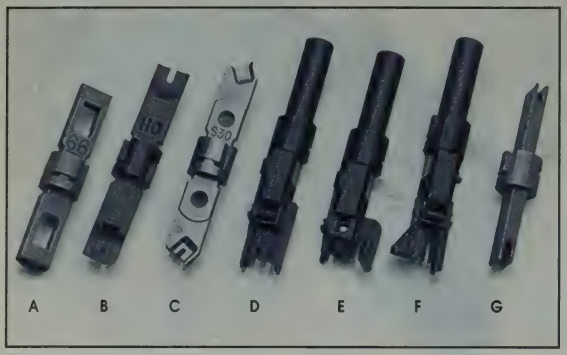




Punch Down Tools, Blades & Kits

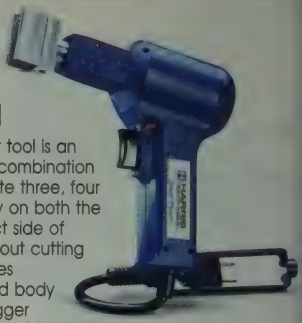
Cat. No.	Mfr. No./Description	Each
237-814	D814 Punch-Down Tool w/66 Block Blade	$58.00
237-776	D814 Punch-Down Tool w/o Blades	52.50
237-214	D214 Tool Handle	22.00
237-215	D214 Tool w/66 Blade	27.50
237-216	D214 Tool w/110 Blade	27.50
237-914	D914 Tool w/Reversible Screwdriver Blade	62.50
237-916	D914 Tool only	57.00
237-650	Reversible Blade	27.50
237-651	1/4" Hex Bit Adapter	25.00
1-663	D814 Punch-Down Tool, 4 Blade Kit, w/66, 110, Wood & Metal Punch Blades	129.00
237-300	D914S SoftTouch Punch Tool	62.50

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Fax Lines: 800-366-9662 • 602-438-1690



Blades for D814, D914 & D214

Cat. No.	Key	Mfr. No./Description	Each
237-002	–	Extra-Long 66, Loop	$39.50
237-005	–	Dually 110/Krone	57.00
237-006	–	Extra-Long 66, Cut	39.50
237-301	–	Eversharp Dually Blade	30.00
237-302	–	Eversharp 66 Blade	23.50
237-303	–	Eversharp 110 Blade	23.50
237-066	A	Blade for 66 Block	20.00
237-176	B	Blade for 110 Block	24.00
237-057	C	Blade for 630A Modular Jack	19.00
237-500	D	Blade for NT "BIX" Blocks	47.00
237-465	E	Blade for 3M "D" System	63.50
237-565	F	Blade for Krone Blocks	44.00
237-058	G	Blade for GTE Modular Hardware	39.00
237-436	–	Metal Punch Blade	18.50
237-645	–	Wood/Drywall Punch Blade	15.50
237-777	–	Case (holds up to eight blades)	10.00
1-665		4 Blade Kit w/66, 110, Wood & Metal Punch Blades	79.00



PowerPunch Multi-Impact Tool

The PowerPunch multi-impact tool is an electrically operated, handheld combination wire insertion tool. It can terminate three, four and five pair wires simultaneously on both the cable side and the cross-connect side of 110-type termination blocks, without cutting off leads. The flexible head rotates 90 degrees to keep your arm and body in proper ergonomic position. Trigger activated electric solenoid action eliminates the physical exertion require with other punch-down tools. PowerPunch multi-impact tool assures proper and effortless terminations.

Cat. No.	Mfg. No./Description	Each
237-575	10059-100 PowerPunch Multi-impact tool	$230.00



D-Impactor™ 5-pair Impact Tool

Simultaneously punch 5 pairs onto 110 blocks while minimizing stress related injury. Spring-loaded impact does the job of seating the pairs. Individual razor sharp blades are offset to reduce chances of short circuits. Cut or terminate with super fast reversing blade. Few moving parts give you a lifetime warranty, excluding blades.

Cat. No.	Mfg. #/Description	Each
237-011	10059-000 D-Impactor 5 pair punch tool	$165.00

Telecommunications and Home Networking Professionals!

Jensen has Several Useful and Convenient Sources Dedicated to You!

jensentel.com
Your source for a complete product selection.



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Tools, test equipment, accessories and valuable installation information.



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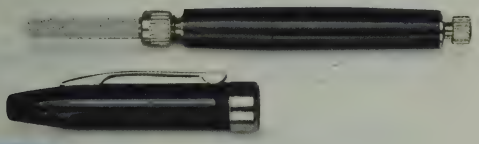
JENSEN TooLink



66 and 110 Block to Modular Adapters

➥ Now with CAT 5

Cat. No.	Description	Each
425-023	2-Wire 66 Block to RJ-11 Adapter	$11.95
425-025	4-Wire 66 Block to RJ-11 Adapter	12.25
425-027	6-Wire 66 Block to RJ-11 Adapter	12.50
425-029	8-Wire 66 Block to RJ-45 568 Paired	13.00
425-761	8-Wire 66 Block to RJ-45 USOC Paired	13.00
43-333	8-Wire 110 Block to RJ-45 Adapter	15.00
43-533	6-Wire 110 Block to RJ-45 Adapter	14.00
43-315	8-Wire 110 Block to RJ-45, CAT 5 (568A)	19.95
43-316	8-Wire 110 Block to RJ-45, CAT 5 (568B)	19.95



JONARD

Pocket Contact Burnishers

63-082 comes with six flat blades, $1\frac{1}{2}$" long x $1\frac{1}{64}$" wide and .007" thick. **759-003** comes with six flat blades .0035" thick and six round blades with ball end, .020" diameter. Both tools are $4\frac{1}{4}$" long with blade storage in hollow plastic body. Chuck holds blade in use. Replacement blades available.

Cat. No.	Description	Each
63-082	Pocket Contact Burnisher w/Flat Blades	$18.95
759-003	Pocket Contact Burnisher w/Flat and Round Blades	21.95
63-084	Flat Blades, .007", 25/pkg.	16.25
63-085	Flat Blades, .0035", 25/pkg.	16.25
759-004	Round Blades, .020", 50/pkg.	27.95



JONARD

Lamp Extractor

For removing or inserting lamps in panels and switchboards.

Cat. No.	Description	Each
63-092	Lamp Extractor	$9.75



HARRIS

"Banjo" Adapters

➥ Removable/replaceable cord ➥ Inline adapters

Cat. No.	Description	Each
237-211	4-Wire Inline Adapter	$22.00
237-222	6-Wire Inline Adapter	24.00
237-230	8-Wire Inline Adapter	33.00
237-113	4-Wire Terminating Adapter	13.75
237-102	8-Wire Adapter w/Snagless Plug	33.00



THE SIEMON COMPANY

5-Pair 110 Termination Tool

➥ Terminates and cuts up to 5 pairs UTP at a time
➥ Ideal for seating 3, 4 and 5 pair connecting blocks

Cat. No.	Description	Each
425-788	110 Termination Tool	$215.00
425-789	110 Replacement Blade	47.00



Fuse Puller

➥ N.S.N. 5120-00-554-3372

Molded nylon universal fuse puller for screw-in and industrial cartridge fuses up to 3/4" or 100 amp type.

Cat. No.	Description	Each
60-356	Fuse Puller	$2.95

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Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



HARRIS

Can Wrenches

3/8" and 7/16" deep nutdrivers. Available with and without stripper. **237-166** security key has 5/32" and 5/16" tamper-proof hex. **237-106** security key has 5/16" tamper-proof hex and 10-32 binding post cleaner.

Cat. No.	Description	Each
237-003	Can Wrench w/22 AWG Stripper	$27.50
237-004	Can Wrench w/24 AWG Stripper	27.50
237-001	Can Wrench w/o Stripper	14.00
237-166	Security Key Insert	11.00
237-106	Security Key Insert w/Post Cleaner	19.00



HARRIS

Probe Pic

Tough resilient nylon tool is both an insulated probe and a pick.

Cat. No.	Description	Each
237-460	Probe Pic	$6.00



Telecom Wrenches

Used for getting into terminals and network interface boxes. Wrenches have 3/8" nutdrivers on one end and 5/32" hex screwdrivers with tamperproof hole on the other end. The **63-003** is 8 5/8" in length and the **63-004** is 5 5/8" in length.

Cat. No.	Mfr. No./Description	Each
63-003	TB-178 Terminal Security Wrench	$15.00
63-004	TB-536 Terminal Security Wrench	14.00



Guide Pin Screwdriver

...rew guiding screwdriver for small "hole-in-the-head" screws. The ... retracts 9/32" to position the screwdriver for fast screw ... and removal. Barrel is knurled for a sure grip, and the handle ... mounted for easy one-handed spinning. Overall length is 4 5/8".

...cription	Each
...e Pin Screwdriver	$19.95



Numbering and Lettering Kits

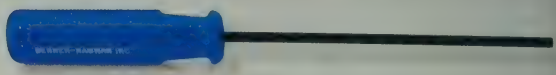
- **Perfect for telecom applications**
- **High quality permanent ink stamps**

Peg stamp number and letter sets painstakingly hand crafted to provide high quality permanent labels for switch board panels, terminal boxes, sub-assemblies, chassis and more. Each kit contains everything you need housed securely in a lightweight compact carrying case, so you are always prepared for alphanumeric marking applications. Perfect where self-adhesive labels just won't do.

Each kit contains:

- High impact plastic carrying case: 16 5/8 x 9 x 9".
- Peg stamps: 3/4", 3/8", 1/4", 3/16", 1/8" and (63-002 only) 5/64".
- Stamp repair set: Adhesive backed letters, numbers and symbols in the following sizes - 3/8", 1/4", 3/16", 1/8" and (63-002 only) 5/64".
- Fuse capacity stamps: 3/8" and 3/16".
- Stamping ink (two of each per kit): black, white, yellow and red.
- Spreading knife, marking remover, brushes (4), inking plate and bottle w/dauber.

Cat. No.	Mfr. No./Description	Each
63-001	N-2315 Numbering & Lettering Kit	$265.00
63-002	N-2315A Numbering & Lettering Kit w/ 5/64" Stamps	285.00



Tamperproof Hex Screwdriver

- **Demanded by telecom techs**

Also known as a "Booth wrench" or "SNI tool" this screwdriver features a 5/32" hex shaft with a hole drilled in the tip for use with security tamperproof screws found throughout the telecommunications industry.

Cat. No.	Mfr. No./Description	Each
213-022	Tamperproof Hex Screwdriver	$8.00



Orangewood Sticks

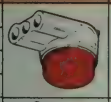
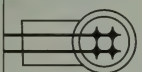
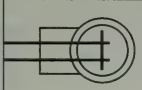
- **WECO KS-6320**
- **7" length**

Cat. No.	Description	Each
63-006	Orangewood Sticks 10/pk.	$9.00

3M

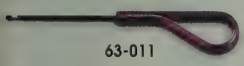
Scotchlok™ Connectors & Kit

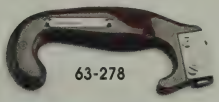
These connectors are used to make fast splices and taps on solid copper wires without stripping. They come with environmental sealant and are for PIC and pulp/paper cables. Use the chart to select the proper connector.

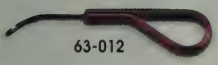
Mfr. No.		Wiring	Cat. No.	Quantity	Each
UR2			251-041	100	$11.75
UR			251-649	100	15.25
UY2			251-044	100	13.75
UY			251-650	100	11.75
UAL			251-048	100	21.00
UG			251-651	100	20.00


63-010


63-013


63-011


63-278


63-012


63-995

Sheath Tools & Lacing Needles

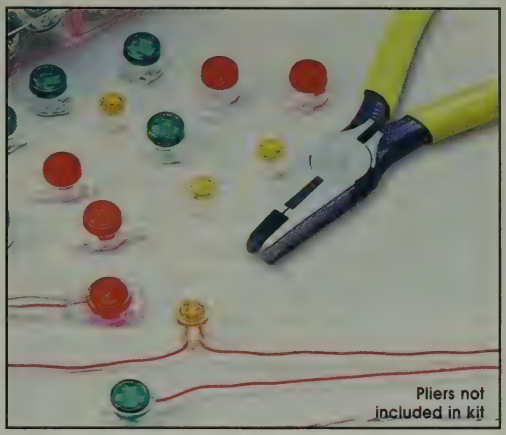
Cat. No.	Description	Each
63-278	Comfort Grip Sheath Slitter	$30.00
63-010	Sheath Slitter	24.00
63-013	Sheath Ringer	27.50
63-995	Wire Loop Lacing Needle	20.00
63-012	Evans Type Curved Notched Sewing Blade	13.50
63-011	Similar to 63-012 except w/Straight Blade	13.50
63-287	Replacement Needles, Curved, 6/pk.	19.95



Insulated Cable Lacing Needle

An insulated version of the popular Evans type curved notched lacing needle used to lash telecom cables. Designed for professional heavy-duty use, it has an anodized aluminum handle and an easily replaceable blade. Overall length is 5⅝".

Cat. No.	Mfr. No./Description	Each
63-005	N-287INS Insulated Cable Needle	$18.50
63-287	N-287A Replacement Blades 6/pk.	19.95
63-007	Replacement Pre-shrunk Insulation	3.25



Telecom Splices

➥ Quick connections ➥ Weatherproof seal

Red (UR) Connectors provide three openings for 19-26 AWG wire, ideal for pigtail and load coil splice applications. **Yellow (UY) Connectors** are used for 22-26 AWG. **Green (UG) Connectors** tap onto 19-26 AWG wires. Solid conductor wires only.

The Telecom Splice Kit includes 100 of each type of connector in a rugged transparent box.

Cat. No.	Description	Range	Each
1-279	Telecom Splice Kit	19-26 AWG	$40.00
251-649	Red (UR) Connectors, 100 pc.	19-26 AWG	15.25
251-650	Yellow (UY) Connectors, 100 pc.	22-26 AWG	11.75
251-651	Green (UG) Connectors, 100 pc.	19-26 AWG	20.00
759-028	Optional Crimping Pliers		16.00

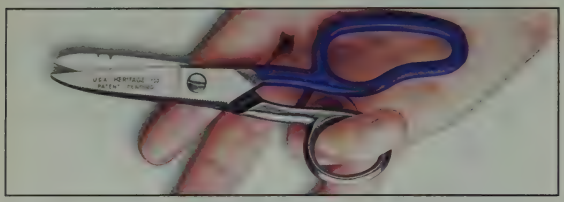


Telecom Cable Toolkit

A complete set of tools specifically designed for cable sheath slitting, ring cutting, lacing, sewing, parallel drop wire slitting, switch or panel board terminating - everything needed for cable work. The toolkit comes in a handy padded zippered vinyl carrying case and is perfect for use in the central office or in the field. Kit includes: sheath stripper, sheath slitter, ring cutting tool, curved sewing needle, straight 7" sewing needle, wire loop lacing needle, aerial drop wire slitter and straight, flat metal sewing needle.

Cat. No.	Mfr. No./Description	Each
63-020	TK-2 Telecom Cable Toolkit	$170.00

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Low Fatigue Electrician's Snips

Finally an electrician's scissor which isn't painful to use. Unique large, padded ring adds leverage and spreads pressure. Fits the hand better for less fatigue. New ice-tempered stainless steel construction means no rust, peeling, discoloration, irritation. Serrated with strip notches.

Cat. No.	Mfr. No./Description	Each
458-150	150 Large Ring Electrician's Snips	$16.00

Telephone Wiring Video



"Home Telephone Wiring Made Easy" is for those who are looking for an inexpensive way to train in basic telecom installation. Electrical contractors, security installers, home theater technicians, cable TV installers are all starting to install telephone wiring. This video takes you step-by-step through the wiring of an actual home phone line. See what tools and equipment to use, learn troubleshooting tips and how to prevent common communication wiring problems. 14:10 run time.

Cat. No.	Description	Each
237-010	Telephone Wiring Video	$11.00

VIKING DemoLine Telephone Line Simulator



- Two-way call capability
- Test FAX, modems
- Economical test device

Provides a cost-effective, easy-to-use method of conducting preliminary checks on most telecommunication devices. Compatible with modems, FAX machines, answering machines, or feature phones. Two-way call capability, either line can call the other simply by going "off-hook". Ringback signal is provided to the caller, ringback voltage is applied to the station called. A one-pair talk battery is provided to complete the simulation. 115 VAC. One year warranty.

Cat. No.	Description	Each
	DemoLine Telephone Line Simulator	$125.00

BIDDLE INSTRUMENTS Cable Height Meter



- Accurate and safe
- Designed for telecom

Utilizing ultrasonic signals the CHM2000 determines the height of overhead cables and wires without contact. It is designed to measure the height of the lowest or highest cable and give the distance between up to six cables. It operates on telephone, power, CATV and street lights. Built into the unit is an air temperature measuring port directly connected to the microprocessor to maintain accuracy at any temperature.

Measurements are displayed in feet and inches or meters. The range is from 7' to 35' on cables of 1/4" to 1" in diameter and from 7' to 32' on cables 1/8" in diameter. The resolution is to the nearest 1/4" and the accuracy is typically 0.5%. Operates within specifications at air temperatures between +14° and 113° F. 9V battery included.

Cat. No.	Mfr. No./Description	Each
293-001	CHM2000 Cable Height Meter	$385.00

JENSEN® Cable Splicer's Kit



Kit includes straight-blade knife and strip jaw scissors in a two pocket leather pouch.

Cat. No.	Description	Each
1-216	Cable Splicer's Kit	$25.95
37-442	Knife only	11.95
320-175	Scissors only	10.50
216-373	Case only	6.50



JONARD Cable Lacing Tools

Low cost cable lacing tools from Jonard. For use in dressing cable bundles using twine. Curved sewing needle and loop puller have lightweight, insulated molded handles. Chicago style flat metal needle is 12" long with holes at both ends. Wire loop puller is perfect for pulling wire through terminal blocks, rings on mainframes or fanning strip holes, 8" long.

Cat. No.	Mfg. #/Description	Each
759-006	JIC-3209 Curved sewing needle	$9.50
759-007	JIC 284 Chicago style flat metal needle	6.50
759-009	JIC 2257 Wire loop puller	11.00



Tel-Line Tester

Fast cable pair troubleshooting. Isolates CO from field, access 5-pin location at bulding entrance, CEV, SLC remote and CO. No need to disconnect pair, unit automatically splits the CO from the field at the 5-pin connector block, anywhere in the loop. Butt set tabs are marked "Tip and Ring In" for CO and "Tip and Ring Out" for the field. To temporarily restore subscriber service while troubleshooting, plug the included looping plug.

Cat. No.	Mfg. #/Description	Each
362-003	TC-TLTS2C Tel-Line tester complete kit	$39.50



Universal DSX-1 and DSX-3 Test Kits

Designed for testing digital and analog circuits in the central office or outside plant. The DSX-1 kit supplies the necessary cords to test RJ45, RJ48, 66 block, 310 and single or dual bantam jacks. Cords are color coded and the bantams are nickel plated to Bellcore specs. Molded plugs and "Y" junctions insure long life. Soft case organizes cords and eliminates tangles. Contains: Two red and blue pair of bantam-bantam and bantam-310 cords. One each red and blue bantam to dual alligator clips, dual bantam to RJ48, 310-RJ11, dual bantam terminator, dual bantam looping tool, two 66 block adapters and two female bantam to male 310 adapters. Cords are 8' long

The DSX-3 kit is complete with a red and blue BNC cables, and four each 440A MID and 358A STD BNC adapters. Cables come with molded strain reliefs , handy carry case included.

Cat. No.	Mfg. #/Description	Each
362-001	DSX-3 Kit	$150.00
362-002	DSX-1 Deluxe Kit	425.00



Insulated Cable Cutter with Ring Guide

- Tested at 10KV for use up to 1000V
- Two-color insulation

Designed for cutting cables in mid-span, this heavy duty cutter is $9\frac{1}{2}$" long with very sharp machined cutting edges. For cutting soft copper and aluminum. The cutters have a $2\frac{1}{4}$" inside diameter ring brazed to one of the jaws. This ring is slipped over the cable to be cut and then the cutters are slid down the cable to the point where the cut needs to be. This gives you absolute certainty as to which cable is to be cut. This improves your safety and eliminates possibly expensive mistakes.

Cat. No.	Description	Each
346-042R	Insulated Cable Cutter with Ring Guide	$79.00



Cable Sheath Slitter Knife

The "Safety Button" tip design of this knife allows you to slit cable sheaths quickly without damaging any of the conductors.

Cat. No.	Description	Each
65-001	Cable Sheath Slitter Knife, 6" length	$20.95



PROGRESSIVE ELECTRONICS

Wire Harness Short/ Open Finder

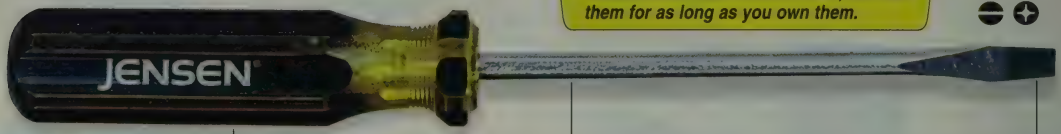
- One person operation
- Accurate results

By injecting an audio tone into the conductor and then tracing that tone until it disappears you can pinpoint opens or shorts anywhere they occur, even in the middle of a large bundle. Receiver operates inductively, no need to attach to conductor. Ruggedly constructed, headphones included for noisy environments. Uses 9V batteries sold separately.

Cat. No.	Description	Each
565-195	Wire Harness Short/Open Finder	$195.00
473-005	9V Alkaline Battery (two required)	3.15

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You can count on years of use with your Jensen brand hand tools. In fact, we back them for as long as you own them.



Break-resistant, impervious to most acids. Fluted, bevel-edged handles for comfort.

Chrome vanadium steel blades.

Precision ground tips for accurate fit. Black oxide finish.

JENSEN Lifetime Guarantee

Screwdrivers

Jensen screwdrivers are manufactured to precise specifications to assure top performance in your work. Fluted design handles with beveled edges for comfort. Handles are break-resistant and impervious to most acids. Blades are made from chrome-vanadium steel and are plated for lasting durability. Tips are precision ground for an accurate fit and have a black oxide finish.

Complete range of sizes. Economically priced. These Jensen Screwdrivers are guaranteed for life. If they do not measure up to your quality requirements, return it to Jensen postpaid and we will replace it free of charge.

Cat. No.	Blade Type	Tip Size	Blade Length	Overall Length	Each 1-4	Each 5-11
Pocket Clip Style ⊖ ⊕						
865-440	Slotted	3/32"	3"	5 1/4"	2.75	2.20
865-441	Slotted	1/8"	3"	5 1/4"	3.25	2.60
865-442	Phillips	#0	3"	4 1/4"	2.50	2.00
Regular Style Phillips ⊕						
865-443	Phillips	#0	2"	4 1/2"	2.50	2.00
865-444	Phillips	#1	3"	6 5/8"	2.75	2.20
865-445	Phillips	#1	6"	9 5/8"	3.95	3.16
865-446	Phillips	#1	10"	13 5/8"	4.95	3.96
865-447	Phillips	#2	4"	8 1/8"	3.75	3.00
865-448	Phillips	#2	10"	14 1/8"	5.75	4.60
865-449*	Phillips	#3	6"	10 1/2"	5.25	4.20

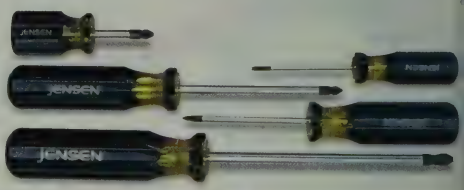
*Stanley Brand - Lifetime Warranty

Cat. No.	Blade Type	Tip Size	Blade Length	Overall Length	Each 1-4	Each 5-11
Regular Style Slotted ⊖						
865-450	Slotted	1/8"	4"	6 1/2"	$3.50	$2.80
865-451	Slotted	1/8"	6"	8 1/2"	3.75	3.00
865-452	Slotted	1/8"	8"	10 3/4"	3.95	3.16
865-453	Slotted	3/16"	3"	6 1/2"	3.50	2.80
865-454	Slotted	3/16"	6"	9 1/2"	4.25	3.40
865-455	Slotted	3/16"	8"	11 3/4"	4.00	3.20
865-456	Slotted	1/4"	4"	8 1/8"	3.95	3.16
865-457	Slotted	5/16"	6"	10 1/2"	4.50	3.60
865-458*	Slotted	3/8"	8"	12 1/2"	5.50	4.40
Stubby Style ⊖ ⊕						
865-459	Slotted	1/4"	1 1/4"	3 1/4"	$3.95	$3.16
865-460	Phillips	#2	1 1/4"	3 1/2"	3.75	3.00

JENSEN Lifetime Guarantee

Screwdriver Sets ⊖ ⊕

Cat. No.	Description	Slotted Sizes	Phillips Sizes	Each 1-5	6-11
418-810	Phillips/Slotted Set, 12 pc.	1/4 x 1 1/4", 3/32 x 3", 3/16 x 3", 1/4 x 4", 5/16 x 6", 1/8 x 8"	#0 x 2, #2 x 1 1/4, #1 x 3, #2 x 4, #1 x 6, #1 x 10	$41.50	$37.35
418-811	Phillips/Slotted Set, 6 pc.	3/32 x 3", 3/16 x 3", 1/4 x 4"	#0 x 2, #1 x 3, #2 x 4	16.50	14.85
418-812	Phillips Set, 5 pc.	n/a	#1 x 6, #2 x 1 1/4, #2 x 4, #1 x 3, #0 x 2	16.00	14.40
418-813	Slotted Set, 5 pc.	3/16 x 3", 1/4 x 1 1/4", 1/4 x 4", 5/16 x 6", 3/32 x 3"	n/a	16.50	14.85





"Jobmaster" Screwdriver Set ⊖ ⊕

- Non-slip rubber grips
- Round and square shank
- Lifetime warranty

Set contains three Phillips drivers: #2 x 1 1/2" stubby, #1 x 3" and [illegible] slotted drivers: 1/4 x 1 1/2" stubby, 5/16 x 6", 1/4 x 4", 3/8 x 8" and [illegible] and plastic pouch.

Cat. No.	Description	Each 1-5	6-11
139-067	Jobmaster Screwdriver Set, 8 pc.	$34.00	$30.60

CONTRACTOR GRADE™

STANLEY FatMax



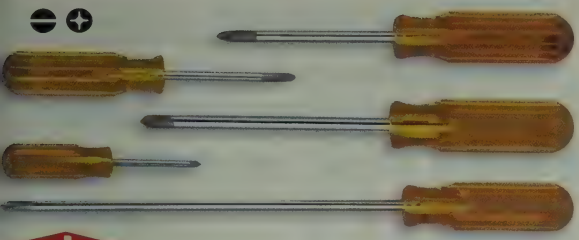
High-Performance Screwdriver Sets

Tri-lobe handle allows 30% greater torque than traditional screwdrivers with less effort. Soft grip with textured surface and smooth end-cap for comfort. Solvent resistant. Tip identification molded into handle for quick selection. Chrome plated bar is laser marked for easy identification. Hardened and treated tips.

12 pc. Set includes 7/32 x 3", 1/4 x 4", 3/8 x 8", 7/32 x 4", 5/16 x 6", 3/32 x 3", 3/32 x 4" slotted; Phillips #0, 1, 2 and Pozidriv #1, 2. Tool roll for easy storage.

6 pc. Set includes 1/8 x 3", 1/4 x 4", 5/16 x 6", 3/16 x 6" slotted; Phillips #1, 2.

Cat. No.	Description	Each 1-5	6-11
865-074	FatMax Screwdriver Set, 12 pc.	$45.00	$40.50
865-077	FatMax Screwdriver Set, 6 pc.	22.00	19.80



XCELITE

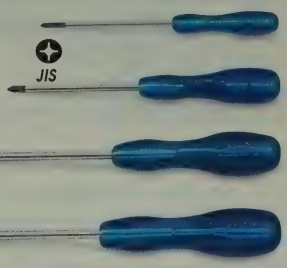
Slotted and Phillips Screwdrivers

Xcelite screwdriver blades easily withstand heaviest usage without twisting or snapping. Slotted tips are ground lengthwise to the blade and are accurately gauged to fit screwslots snugly. Phillips tips have precision points. Breakproof handles are shaped for perfect grip and balance. (USA)

Cat. No.	Type	Tip Size	Length	OAL	Each 1-5	6-11
Pocket Clip Style						
3-001	Slotted	3/32"	2"	4 1/4"	$2.95	$2.65
3-003	Slotted	3/32"	3"	5 1/4"	3.00	2.70
3-005	Slotted	3/32"	4"	6 1/4"	3.00	2.70
3-007	Slotted	1/8"	2"	4 1/4"	2.95	2.65
3-009	Slotted	1/8"	3"	5 1/4"	3.00	2.70
3-069	Phillips	#0	2"	4 1/4"	3.75	3.38
Stubby Style						
3-013	Slotted	3/16"	1 1/4"	2 3/4"	$4.25	$3.83
3-015	Slotted	1/4"	1 1/4"	3 1/4"	5.75	5.17
3-071	Phillips	#1	1 7/16"	2 5/16"	5.25	4.72
3-073	Phillips	#2	1 5/16"	3 5/16"	6.25	5.63
Regular Style						
3-021	Slotted	1/8"	2"	4 1/2"	$2.75	$2.48
3-023	Slotted	1/8"	4"	6 1/2"	3.75	3.38
3-025	Slotted	1/8"	6"	8 1/2"	4.00	3.60
3-027	Slotted	1/8"	8"	10 1/2"	4.00	3.60
3-031	Slotted	1/8"	10"	12 1/2"	5.25	4.72
3-041	Slotted	3/16"	3"	6 5/8"	5.00	4.50
3-043	Slotted	3/16"	4"	7 5/8"	5.25	4.72
3-045	Slotted	3/16"	6"	9 5/8"	5.75	5.17
3-047	Slotted	3/16"	8"	11 5/8"	6.75	6.08
3-049	Slotted	3/16"	10"	13 5/8"	7.75	6.97
3-053	Slotted	1/4"	4"	7 1/8"	6.00	5.40
3-055	Slotted	1/4"	6"	9 1/8"	7.50	6.75
3-057	Slotted	1/4"	8"	11 1/8"	8.00	7.20
3-059	Slotted	1/4"	10"	13 1/8"	8.50	7.65
3-075	Phillips	#0	2"	4 1/2"	3.75	3.38
3-077	Phillips	#1	3"	6 5/8"	4.50	4.05
3-079	Phillips	#1	6"	9 5/8"	5.95	5.36
3-085	Phillips	#1	10"	13 5/8"	8.50	7.65
3-081	Phillips	#2	4"	7 1/8"	6.00	5.40
3-087	Phillips	#2	10"	13 7/8"	9.50	8.55
3-083	Phillips	#3	6"	10 1/4"	9.25	8.32

Japanese Cross Point Screwdrivers

➥ **Designed for fasteners in Japanese electronics**



If your Phillips screwdrivers do not fit, you probably need ***JIS*** (Japanese Industry Standard) screwdrivers. Slightly larger than American counterparts and more blunt in the larger sizes. Available in #00, #0, #1, #2 sizes. An extra long (12") #2 is provided for those hard to reach screws found in many copy machines. (Japan)

Cat. No.	Description	Size	Each 1-5	6-11
23-900	JIS Screwdriver Set, 5 pc.	All	$26.00	-
8-300	JIS Screwdriver	#00 x 3"	2.95	$2.65
8-030	JIS Screwdriver	#0 x 3"	3.75	3.38
8-104	JIS Screwdriver	#1 x 4"	4.95	4.46
8-204	JIS Screwdriver	#2 x 4"	6.95	6.25
8-212	JIS Screwdriver	#2 x 12"	8.95	8.05

Wiha

MicroFinish Screwdriver Sets



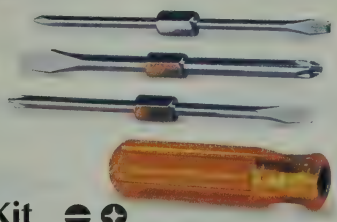
➥ **Patented non-slip grip on molded handle**

➥ **Chrome vanadium/ molybdenum steel blades**

289-091 is a round blade mechanic's set containing slotted 4.0 x 100mm, 5.5 x 125mm, 8.0 x 150mm, Phillips #1 x 80mm, #2 x 100mm.

289-092 is a heavy-duty square blade set with bolsters and strike plates, containing slotted 5.5 x 100mm, 6.5 x 125mm, 8.0 x 150mm and Phillips #1 x 80mm, #2 x 100mm. (Germany)

Cat. No.	Description	Each 1-5	6-11
289-091	Screwdriver Set, Round Blades, 5 pc.	$35.00	$31.50
289-092	Screwdriver Set, Square Blades, 5 pc.	54.95	49.45



XCELITE

Reversible Screwdriver Kit

Handle and three reversible blades: #1 Phillips x 3/16" slotted; #2 Phillips x 1/4" slotted; and #3 Phillips x 5/16" slotted. Roll pouch. (USA)

Cat. No.	Description	Each 1-5	6-11
3-300	Screwdriver Kit, 4 pc.	$24.50	$22.05
3-191	#3 x 5/16" Blade	6.50	5.85
3-192	#2 x 1/4" Blade	6.75	6.08
3-193	#1 x 3/16" Blade	6.75	6.08
3-194	Additional Handle	5.25	4.72

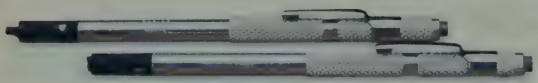


Quick-Wedge® Holding Screwdrivers

➥ Hold ➥ Start ➥ Drive

Double-split blade and powerful wedge-type action takes a positive grip inside the screw slot. Reaches screws in tight, hard-to-reach places, even a space not much larger than the screw head itself. Durable steel blades. Unbreakable Tenite handles and vinyl-covered tubing on shaft. (USA)

Cat. No.	Description	Tip Size	Length	OAL	Each 1-5	6-11
278-004	Quick-Wedge Screwdriver Kit, 4 pc.				$23.25	$20.93
278-125	Small - for #0 to #4 Screws	1/8"	3"	5"	4.95	4.46
278-734	Medium - for #4 to #7 Screws	3/16"	4"	6 1/2"	5.25	4.72
278-834	Large - for #6 to #12 Screws	3/16"	4"	8"	6.00	5.40
278-356	Large - for #6 to #12 Screws	1/4"	6"	10"	10.95	6.53



JENSEN® Lifetime Guarantee



Screw Starters Magnetic Retrievers

A simple twist of alloy steel bit and screw is held firmly for trouble-free starting. After starting, tool releases screw and re-sets automatically. Permanent magnet at opposite end retrieves nuts or screws dropped into hard-to-reach areas. Slender, lightweight duraluminum handle.

Cat. No.	Description	Each 1-4	5-11
Regular Slot ⊖			
23-021	Slotted Set, 3 pc. (6", 9", 15")	$16.75	$13.40
69-105	Slotted Screw Starter, 6"	5.75	4.60
69-110	Slotted Screw Starter, 9"	6.25	5.00
69-115	Slotted Screw Starter, 15"	7.25	5.80
Phillips Head ⊕			
23-023	Phillips Set, 3 pc. (6", 9", 15")	$16.75	$13.40
69-125	Phillips Screw Starter, 6"	6.25	5.00
69-130	Phillips Screw Starter, 9"	6.25	5.00
69-135	Phillips Screw Starter, 15"	7.25	5.80



Master Alignment Tool Kit

➥ ESD safe

For the electronic technician requiring a complete assortment of alignment tools. Includes alignment tools for IF cans, RF coils, trimmers, potentiometers, etc. Complete with roll pouch.

Cat. No.	Description	Each 1-5	6-11
10-300	Master Alignment Tool Kit, 25 pc.	$35.00	$31.50



Double-Ended Screw Starters by Ullman Devices

⊖ Slotted

		Each 1-6	6-11
	Anodized Aluminum Screw Starter, 6"	$6.50	$5.85
	Anodized Nylon Screw Starter, 9"	7.50	6.75



Miniature Screw Starter Sets



➥ Vinyl handles

57-001 is for slotted screws and has expanding twin bit heads that fit inside the screw to hold it securely. Brass handles. Set accommodates 0, 1, 2, 3, 4, 5, 6, 8, 10, 12 and 1/4". 6" long.

57-002 is for cross-point screws and has expanding split heads that hold screws securely. Set accommodates 0, 1, 2, 3, 4, 5, 6, 8, 10, 12 and 1/4" screws. 8" long.

Cat. No.	Description	Each 1-5	6-11
57-001	Slotted Screw Starter Set, 3 pc.	$21.00	$18.90
57-002	Cross-Point Screw Starter Set, 3 pc.	21.95	19.75



Alignment Tool Kit

➥ ESD safe

Wide range of tip styles and sizing assures the user will have a tool for adjusting most conventional components. Complete with storage pouch.

Cat. No.	Description	Each 1-5	6-11
60-507	Anti-Static Alignment Tool Kit, 9 pc.	$10.95	$9.86

Magnetizer/ Demagnetizer

Wiha®



Draw tool through lower opening to magnetize. Draw tool through upper opening to demagnetize.

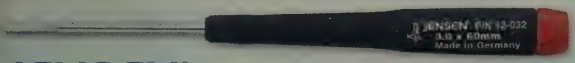
Cat. No.	Description	Each 1-5	6-11
289-013	Magnetizer/Demagnetizer	$8.50	$7.65

Ceramic Alignment Tools



Special ceramic blades for zero electromagnetic induction. Outlasts metal and plastic tools.

Cat. No.	Description	Size	Each 1-5	6-11
8-001	Slotted Tool	0.9 x 30mm	$16.00	$14.40
8-002	Slotted Tool	1.8 x 30mm	16.00	14.40
8-020	Double-End Slotted Tool	0.9/1.8mm	33.00	29.70



JENSEN®

Lifetime Guarantee

Precision Electronic Screwdriver Set



➥ **Phillips/Slotted**

Blades are made from hardened, plated chrome-vanadium-molybdenum steel, with precision ground tips for precise fit. Handles are tapered and feature rotating cap at the fingertip. Includes 1/16, 5/64, 3/32, 1/8" slotted drivers and #00, #0, #1 Phillips drivers in a vinyl storage pouch.

Cat. No.	Description	Each 1-5	6-11
12-190	Precision Electronic Screwdriver Set, 7 pc.	$23.95	$21.56



Wiha®

Extended Blade Precision Screwdriver Set

➥ **Phillips/Slotted**

Impact resistant cellulose-acetate handle with swivel top for quick, easy fastening action. Chrome-vanadium steel blades. Sizes are marked on handles for easy selection: 2" x 2.5mm, 3" x 2.5mm, 4" x 3.0mm, 6" x 3.0mm, 4" x 4.0mm, 6" x 4.0mm slotted drivers and 3" x #0 Phillips in a vinyl storage pouch.

Cat. No.	Description	Each 1-5	6-11
194-483	Precision Screwdriver Set, 7 pc.	$29.95	$26.96

GENERAL

5-Piece Precision Screwdriver Set



➥ **Phillips/slotted**

Precision crafted screwdriver set features fingertip swivel head, textured handle and chrome vanadium steel blades. Contains #00 x 2 1/2", #0 x 4" and #1 x 4" Phillips; 3/32 x 2 1/2" and 1/8 x 4" slotted.

Cat. No.	Description	Each 1-5	6-11
39-700	Precision Screwdriver Set, 5 pc.	$16.25	$14.63



Wiha®

Miniature Electronic Screwdriver Set

➥ **Phillips/Slotted**

Use on miniature fasteners found on today's electronic equipment. Impact resistant cellulose-acetate handle with swivel top for quick, easy fastening action. Chrome plated blades with vapor blasted tips for added visibility and longer life: 1.5, 2.0, 2.5, 3.0 slotted and #00, #0, #1 Phillips in a convenient storage pouch.

Cat. No.	Description	Each 1-5	6-11
289-506	Mini Electronic Screwdriver Set, 7 pc.	$35.00	$31.50



41-390

Moody®

Pollicis®

41-317

➥ **Lifetime warranty**

➥ **Advanced ergonomic anti-static handle**

41-317 includes Slotted: .062/.072; .080/.125"; Slotted/Phillips: .087/.100"
41-390 includes Slotted: .078, .093, .125, .141, .156"; Phillips: #00, #0, #1

Cat. No.	Description	Each 1-5	6-11
41-317	6-in-1 Reversible Tip Set	$10.25	$9.23
41-390	Fixed Handle Extended Blade Set	25.00	22.50



Wiha®

ESD-Safe Driver Sets

➥ **Chrome-moly-vanadium blades**

Sets feature ESD-safe swivel top handle and removable blades in a plastic case which doubles as a tool stand. Adjustable chuck-type handle permits varying the exposed blade length from 0.6" to 3.75". Includes slotted reversible blades 1.5mm/3mm, 2mm/3.5mm and Phillips reversible blades #000/#00, #0/#1.

Cat. No.	Description	Each 1-5	6-11
289-034	Slotted/Phillips Screwdriver Set, 5 pc.	$29.95	$26.96

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Fax Lines: 800-366-9662 • 602-438-1690

Moody®

Precision Screwdriver Set



➥ **Removable blades**

Includes six knurled and plated steel handles, with swivel tops for ease-of-use and precise control. Fully assembled with six hardened, black finish steel blades: .025, .040, .055, .070, .080, and .100" in a vinyl pouch.

Cat. No.	Description	Each 1-5	6-11
41-116	Precision Screwdriver Set, 12 pc.	$15.95	$14.36

Super Adapter Tool Set

Moody®



41-279 281-100

Tremendous selection of precision miniature tools recommended for use with the optional Utica® torque screwdriver as illustrated, or any 1/4" drive hand/cordless driver applications. Blades are hardened, black finished alloy steel. Set includes Insert Bit Adapter, Power Drive Bit Adapter, and the following blades: .025, .040, .055, .070, .080, .100" slotted; #000, #00, #0, #1 Phillips; #000, #00, #0, #1 Japanese Cross Point; T3-T6, T8, T10, TT8, TT10 Torx/ Tamper Torx; .028, .035, .050, .062, .078, .093" Hex; and 5/64, 3/32, 7/64, 1/8, 5/32" Nutdriver blades.

Cat. No.	Description	Each 1-5	6-11
41-279	Super Adapter Tool Set, 35 pc.	$65.50	$58.95
281-100	Optional Torque Screwdriver	197.00	177.30



JENSEN®
Lifetime Guarantee

Precision Electronic Screwdriver Set



➥ **Phillips/Slotted**

Blades are made from hardened, plated chrome-vanadium-molybdenum steel with precision ground tips for precise fit. Handles are tapered and feature mating cap at the fingertip. Includes 1/8, 3/16, 1/4" slotted drivers and #00 and #1 Phillips drivers in a vinyl simple pouch.

Cat. No.	Description	Each 1-5	6-11
10-170	Precision Electronic Screwdriver Set, 7 pc.	$23.95	$21.56

Jeweler's Screwdriver Set

Moody®



➥ **Phillips/Slotted**

Precision set for instrument, optical, electronic service and repair work. Knurled handle with swivel top and six interchangeable hardened, black finish steel blades: .040, .070, .100" slotted and #00, #0, #1. Phillips in a handy storage tube.

Cat. No.	Description	Each 1-5	6-11
41-208	Jeweler's Screwdriver Set, 7 pc.	$8.95	$8.06

Precision Screwdriver Set

NEW



Quality European-made set for slotted fasteners. Features precision ground tempered blades, color-coded nickeled handles and rotating hex-caps. Includes slotted sizes 0.8mm, 1.0mm, 1.2mm, 1.4mm, 1.6mm and 2.0mm. Vinyl pouch.

Cat. No.	Description	Each 1-5	6-11
65-235	Precision Screwdriver Set, 6pc	10.95	$9.86



41-152

Moody®

Sub-Miniature Tool Sets

Famous Moody quality with heat-treated tool-steel blades and black finish. **41-152** contains 27 knurled chuck-type handles; 3" extension; plus two each of slotted screwdriver blades .025, .040, .055, .070, .080, .100"; Phillips blades #0 and #1; Allen hex wrench tips .028, .035, .050, .062, .078, .093"; socket wrench tips 5/64, 3/32, 7/64, 1/8, 5/32"; offset open-end wrench tips 5/64, 3/32, 7/64, 1/8, 5/32, 3/16, 1/4, 5/16"; fitted plastic fold-up case. **41-153** is similar but contains only one each of above components. **41-154** contains same 27 tool blades with one handle, in a vinyl fold-up case.

Cat. No.	Description	Each 1-5	6-11
41-152	Super Deluxe Set	$99.00	$89.10
41-153	Super Standard Set	69.00	62.10
41-154	Economy Set	29.00	26.10



JENSEN® Lifetime Guarantee

Interchangeable Blade Screwdriver Sets

➥ Full-size handle with rotating cap ➥ ESD-safe

Finally, a full-size handle with all the benefits of a rotating-cap precision handle. End cap turns freely while applying pressure to tight fasteners. Narrow-diameter allows 40% more turning clearance over conventional handles. Gives high visibility to the fastener. Collet lock eliminates loose-fitting blades. All sets include roll-pouch.

Cat. No.	Description	Each
12-600	**Slotted/Phillips Set, 8 pc.** Slotted: .118, .157, .236, .314" Phillips: #0, 1, 2	$34.50
12-610	**Inch Hex Set, 8 pc.** 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32"	34.50
12-620	**Inch/Metric Hex Set, 13 pc.** 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32", 2.5, 3, 4, 5, 6mm	55.50
12-630	**Inch Nutdriver Set, 10 pc.** 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"	44.50
12-640	**Metric Nutdriver Set, 11 pc.** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11mm	47.50
12-650	**Torx Set, 8 pc.** T8, 9, 10, 15, 20, 25, 30	37.50
12-660	**Combo PC Set, 9 pc.** Slotted: .157, .236 Phillips: #0, #1 Nutdriver: 3/16, 1/4" Torx T10, T15	45.50



JENSEN® Lifetime Guarantee

Tamper-Proof Torx Screwdrivers

These drivers feature the unique hole in the end to accommodate tamper-proof Torx fasteners. Fits either standard or tamper-proof Torx fasteners.

Cat. No.	Description	Size	Blade Length	Each 1-5	6-11
1-029	Tamper-Proof Torx Driver Set, 7 pc.	–	–	$34.95	$31.46
945-560	Tamper-Proof Torx Driver	TT7	2 7/8"	5.50	4.95
945-559	Tamper-Proof Torx Driver	TT8	2 7/8"	5.50	4.95
945-558	Tamper-Proof Torx Driver	TT9	2 7/8"	5.50	4.95
945-557	Tamper-Proof Torx Driver	TT10	3"	5.50	4.95
945-556	Tamper-Proof Torx Driver	TT15	3 1/8"	5.50	4.95
945-555	Tamper-Proof Torx Driver	TT20	3 1/4"	5.50	4.95
945-550	Tamper-Proof Torx Driver	TT25	3 3/4"	5.50	4.95

Wiha®

Miniature Torx Electronic Screwdriver Set



Recommended for use on miniature fasteners found on today's electronic equipment. Features small, slim handle of black cellulose acetate with swivel top for quick and easy fastening action. Chrome plated blades with black oxide tips. Includes T5, T6, T7, T8, T9, T10 and T15 drivers.

Cat. No.	Description	Each 1-5	6-11
289-508	Torx Screwdriver Set, 7 pc.	$39.95	$35.96

Wiha®

Micro Torx Screwdriver Set



➥ Very small Torx sizes T3, T4, T5 ➥ ESD-safe Handle

Contains very small Torx sizes T3, T4 and T5 commonly found in computer hardware such as drives, etc. Interchangeable blades fit ESD-safe handle with spinner-knob top. 4 3/4" blade length.

Cat. No.	Description	Each 1-5	6-11
289-080	Micro Torx Screwdriver Set, 4 pc.	$21.00	$18.90

Extra-Long T15 Torx Driver



Extra long 12" blade reaches into hard-to-get-at areas. Overall length 15".

Cat. No.	Description	Each 1-5	6-11
497-188	T15 Torx Driver, Extra-Long	$12.95	$11.66





41-148

Moody®

41-450

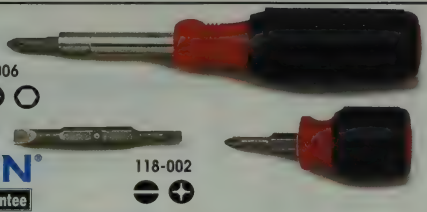
Precision Torx Driver Sets

➥ Very small T-1 through T-6 sizes

Fixed-handle precision drivers fit very small Torx fasteners (T1 through T6) common in computers, instruments and electronic hardware. Available in static-dissipative extended reach and metal-handle standard reach versions. Finest quality construction.

Cat. No.	Description	Each
41-450	Precision Torx Driver Set, Extended Reach 6/pc.	$28.50
41-148	Precision Torx Driver Set, Standard Reach 6/pc.	32.00

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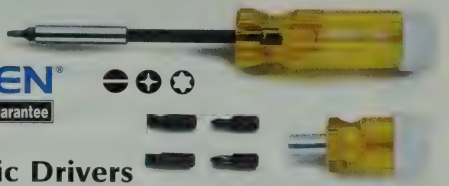
JENSEN® Lifetime Guarantee

Cushion Grip 6-in-1 & 2-in-1 Screwdrivers

6-in-1 Driver has two reversible bits: Phillips #1 and #2, slotted 3/16" and 1/4". Shaft serves as 1/4 and 5/16" nutdriver.

2-in-1 Driver has one reversible bit: Phillips #1 and slotted 3/16".

Cat. No.	Description	Each 1-5	6-11
118-006	Cushion Grip 6-in-1 Screwdriver, 8"	$8.50	$7.65
118-002	Cushion Grip 2-in-1 Screwdriver, 3" Stubby	3.95	3.56

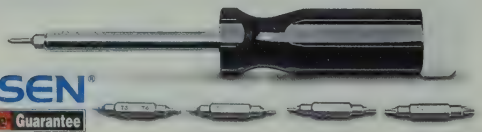


JENSEN® Lifetime Guarantee

5-in-1 Magnetic Drivers

Powerful stainless steel magnetic power-tip holds bits and screws securely. Large, comfortable handle stores extra bits. Includes: Phillips #1 and #2, slotted 5-7 and 8-10, Torx T15.

Cat. No.	Description	Each 1-5	6-11
945-744	5-in-1 Magnetic Driver w/Bits, 12"	$10.50	$9.45
945-722	5-in-1 Magnetic Driver w/Bits, 8"	8.50	7.65
945-740	5-in-1 Magnetic Stubby w/Bits, 3"	7.25	6.53



JENSEN® Lifetime Guarantee

12-in-1 Screwdriver

Extra large 4" handle with ample storage space for the six double-ended bits supplied. There are eight 1/4" Torx drivers: T3/T4, T5/T6, T7/T8 and T10/T15; two Phillips: #0/#1, and two Japanese cross-point drivers: #0/#1.

Cat. No.	Description	Each 1-5	6-11
720-390	12-in-1 Screwdriver, 9"	$24.95	$22.46

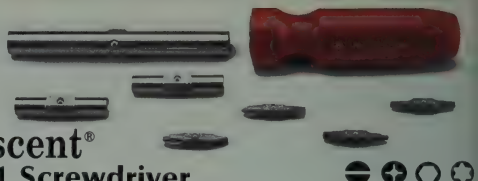


JENSEN® Lifetime Guarantee

10-in-1 Security Screwdriver

Contains the following 1/4" hex bits which store in the driver handle: Tamper Torx T15/TT20; Phillips #0, #1, #2; slotted 1/8, 3/16, 1/4"; Tamper hex [illegible] and a #4 Line Head.

Cat. No.	Description	Each 1-5	6-11
[illegible]	Security Screwdriver, 9"	$25.95	$23.36



Crescent® 8-in-1 Screwdriver

Reversible shaft and reversible bit combinations provide multiple fastening options in one driver. Includes: Phillips #1, #2; slotted 3/16, 1/4"; Torx T15, T20 and nutdrivers 1/4, 5/16".

Cat. No.	Description	Each 1-5	6-11
3-873	8-in-1 Screwdriver, 7 1/2"	$9.50	$8.55



JENSEN® Lifetime Guarantee

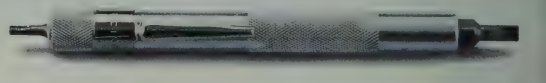
945-400 945-401

Magnetic 5-in-1 Torx Drivers

➥ Tamper-proof/standard ➥ 3 1/2" blade length

Provides everything you need in one handy tool to tackle most Torx applications. Extra bits store in handle. Comfortable fluted handle with tempered shaft, magnetized to hold both the bit and screw for faster, easier fastening. Overall length 7 1/2". **945-400** comes with T7, T8, T9, T10 and T15 bits. **945-401** has tamper-proof bits in same sizes.

Cat. No.	Description	Each 1-5	6-11
945-400	Magnetic 5-in-1 Torx Driver	$12.95	$11.66
945-401	Magnetic 5-in-1 Tamper-Proof Torx Driver	19.95	17.96



4-Way Pocket Screwdriver

➥ Ideal PC tool

Aluminum body screwdriver with two double ended bits, Phillips #1, slotted 5/32" and Torx T10/T15. 5 3/8" overall length.

Cat. No.	Description	Each 1-5	6-11
118-101	4-Way Pocket Screwdriver	$6.50	$5.85



JENSEN® Lifetime Guarantee

10-in-1 Security Screwdriver

➥ Non-magnetic bit retention
➥ Safe to use around magnetic media
➥ Removes most common security screws
➥ Torx®, Tamper Torx, Security Hex

Two sizes available: 8 and 12" overall length. Contains the following bits, 5/32" security hex, T5 and T6 Torx, TT7, TT8, TT9, TT10, TT15, TT20 and TT25 Tamper Torx.

Cat. No.	Description	Each 1-5	6-11
118-011	10-in-1 Security Driver, 12"	$21.95	$19.76
118-010	10-in-1 Security Driver, 8"	19.95	17.96



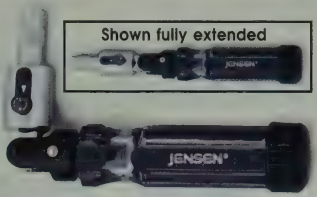
6-in-1 Screwdriver/Magnet

- Magnet lifts over 1/2 lb.
- Telescopes to 23"



Unique patented design allows dropped fasteners to be rescued from the most difficult spots. Rubberized Quadra Drive™ handle delivers up to 4X the torque of conventional drivers. Complete with removable bit organizer. Includes six 1" bits: Phillips #1, #2; slotted 3/16, 1/4"; Torx T-15, T-20.

Cat. No.	Description	Each 1-5	6-11
606-829	6-in-1 Screwdriver/Magnet	$10.50	$9.45



JENSEN® Lifetime Guarantee

Ratchet Screwdriver

Unique ratchet screwdriver can be used in-line or bend 90° for extra torque. Comes with four bits: Phillips #1 and #2; slotted 3/16 and 1/4"; and one 1/4" hex to 1/4" square adapter. Bit storage in handle.

Cat. No.	Description	Each 1-5	6-11
118-004	Ratchet Screwdriver	$14.50	$13.05



STANLEY®

6-Piece Ratchet Screwdriver Set

- 3-position ratchet
- Bits store in handle

A faster and easier way to drive screws. Bits include: slotted 3/8, 1/4, 9/32" and Phillips #1 and #2.

Cat. No.	Description	Each 1-5	6-11
185-687	Ratchet Screwdriver Set, 6 pc.	$15.95	$14.36

JENSEN® Lifetime Guarantee



Offset Ratchet Drivers

Compact offset ratchet screwdrivers allow tightening and loosening fasteners in the most restricted spaces. **185-033** has two slotted blades, 1/4 x .035" and 3/8 x .050". **185-412** has Phillips #1 and #2 blades. **185-035** has slotted blade, 1/4 x .035", one side and Phillips #2 on other side. Blades are alloy steel, hardened and tempered.

Cat. No.	Description	Each 1-5	6-11
185-033	Slotted Ratchet Driver	$6.20	$5.58
185-412	Phillips Ratchet Driver	8.50	7.65
185-035	Slotted/Phillips Ratchet Driver	7.95	7.16



6-in-1 Viper Driver™

- A handy tool for hard to reach areas
- Lifetime warranty



Snake driver has a unique, extendible 7" flexible locking shaft to access fasteners in hard to reach areas. Bits store conveniently on base of shaft. Includes six 1" bits: #1, #2 Phillips; 3/16, 1/4" slotted; Torx T-15, T-20.

Cat. No.	Description	Each 1-5	6-11
606-831	6-in-1 Viper Driver	$13.50	$12.15



C.K

Triton® Extra-long Screwdriver Set

Set contains the most popular screwdrivers used in electronic service in one set. Top-quality chrome-vanadium/chrome-molybdenum fully hardened blades with black oxide finish. ESD dissipative handles. Includes slotted 3/16 x 10", Phillips #1 x 12", Phillips #2 x 12", Torx T-8 x 8", Torx T-10 x 12", Torx T-15 x 12".

Cat. No.	Description	Each
194-797	Extra-long Screwdriver Set, 6pc	$49.95



JENSEN® Lifetime Guarantee

Ratcheting Screwdrivers

118-300: Magnetic ratcheting screwdriver features bit storage in handle. Reversible ratchet mechanism changes direction with the turn of a knob. Includes Phillips #1 and #2 and slotted bits 3/16 and 1/4". Accepts all 1/4" hex drive bits.

118-301: 4-in-1 reversible ratchet screwdriver complete with two double-ended reversible bits: slotted 3/16 and 1/4" and Phillips #1 and #2. Ratcheting mechanism reverses with twist of knob.

Cat. No.	Description	Each 1-5	6-11
118-300	Magnetic Ratcheting Screwdriver	$10.50	$9.45
118-301	4-in-1 Reversible Ratcheting Screwdriver	15.00	13.50

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



JENSEN® Lifetime Guarantee

30-Piece Do-It-All Kit

This comprehensive kit will work with almost every type of fastener. Includes an 8" magnetic driver with cushion grip handle and the following bits: Phillips #0, #1, #2, #3; slotted 0-1, 3-4, 5-6, 8-10, 12; Allen hex 5/64, 3/32, 7/64, 1/8, 9/64"; square recess 0, 1, 2, 3; Torx T10, 15, 20, 25, 30, 40; Pozidrive® #1, #2. Also included are a 1/4" drive socket adapter and a 3 x 1/4" bit holder for use with power tools. Protective case with snap close cover.

Cat No.	Description	Each 1-5	6-11
555-486	Do-It-All Kit, 30 pc.	$29.95	$26.95



JENSEN® Lifetime Guarantee

30-Piece Security Screwdriver Kit

- Torx®, security Torx, security hex, spanners
- Cushion grip 1/4" hex magnetic driver

Contains 26 of the most common security bits, driver, plus bit extension (non-magnetic), 1/4" hex to 1/4" square adapter and a molded plastic case. Torx bits T5, T6; Security Torx bits TT7, TT8, TT9, TT10, TT15, TT20, TT25, TT30; Security Hex bits 2.5mm, 3mm, 4mm, 5mm, 6mm, 3/32, 1/8, 9/64, 5/32, 3/16, 7/32"; Spanner bits #4, #6, #8, #10.

Cat No.	Description	Each 1-5	6-11
118-030	Security Screwdriver Kit, 30 pc.	$59.00	$53.10



JENSEN® Lifetime Guarantee

35-Piece Fix-It-All Kit

- Features multi-positioning ratchet screwdriver
- 1/4" bits meet or exceed U.S. Government specs

Kit includes multi-positioning ratchet screwdriver with storage handle, 1/4" magnetic bit holder, 1/4" square and hex male adapter, six hex bits 3/32, 1/8, 5/32, 3/16, 7/32, 1/4"; seven Torx bits T8, 10, 15, 20, 25, 27, 30; three slotted bits 1/8, 3/16, 1/4"; three Phillips bits #1, 2, 3; nine sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"; plastic carry case.

Cat. No.	Description	Each 1-5	6-11
118-655	Fix-It-All Kit, 35 pc.	$41.95	$37.76





42-Piece Skewdriver™ Offset Driver Pro Kit

- Now includes 40 bits, same low price

Allows installing and removing fasteners in difficult-to-access areas. Removable handle can be used with offset head or with magnetic extension(s) as a standard screwdriver. Includes driver handle, offset head, 4 1/2" and 11 1/2" magnetic extensions; 1/4-hex to 1/4-square drive adapter; Phillips #0, 1, 2, 3; slotted 1/8, 3/16, 1/4, 9/32"; Torx T8, T9, T10, T15, T20, T25, T27, T30; Robertson (square) #0, 1, 2, 3; Allen hex 5/64, 7/64, 3/32, 1/8, 9/64, 5/32, 3/16", 2, 2.5, 3, 5mm; Skew sockets 3/16"/5mm, 7/32"/5.5mm, 6mm, 1/4", 9/32"/7mm, 5/16"/8mm, 3/8", 10mm.

Cat No.	Description	Each 1-5	6-11
690-542	Skewdriver Pro Kit, 42 pc.	$45.00	$40.50

DURHAM Mini Ratchet Sets

- Lifetime factory warranty on ratchets
- Short 12° ratcheting action

Spine drive ratchet produces 400 lbs. of torque to drive or remove fasteners in confined spaces. All parts are torque tested to the Fasteners Institute rigid quality standards. All sets include rugged storage box, 4 1/8 x 2 1/8 x 1 1/4".

44-Piece Set: contains a 4 9/16" ratchet and extension; 3 3/4" handle; spinner knob and bit cap; 3 bit adapters; Phillips bits: #0, #1, #2, #3, #4; one Reed and Prince bit; slotted bits: 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16"; inch hex bits: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"; metric bits: 1.5, 2, 2.5, 3, 4, 5, 6, 7, and 8mm; 1/4" socket adapter.

50-Piece Set: adds Torx® bits: T6, T8, T10, T15, T20, T25, T27, T30.

Cat. No.	Description	Each 1-5	6-11
896-003	Mini Ratchet Set, 44 pc.	$74.00	$66.60
896-004	Mini Ratchet Set, 50 pc.	79.00	71.10



896-003

1/4" Hex Drive Ratchet Sets

➥ Ideal for working in confined space ➥ Comprehensive selection

Features high-quality stainless steel miniature ratchet wrench with short 18° arc for working in close quarters. Reverse action by simply turning ratchet over. Sets include ratchet wrench, screwdriver handle, 3 1/2" extension, plus assorted bits as described below.

20-Piece Standard Set: contains twelve hex bits from .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"; two slotted bits 1/4 and 3/8"; two Phillips drivers, #1 and #2; one 1/4" square adapter plus drivers in a molded case.

27-Piece Standard Set: contains twelve hex bits .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16"; five spline bits .060, .072 , .096, 111, .145"; four slotted bits 3/16, 7/32, 1/4, 3/8"; two Phillips bits, #1 and #2; 1/4" square adapter plus drivers in a molded case.

27-Piece Standard/Metric Set: contains twelve hex bits .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"; six metric hex bits 1.5, 2, 2.5, 3, 4, 5, 6mm; three slotted bits 3/16, 1/4, 3/8"; two Phillips bits #1 and #2; 1/4" square adapter plus drivers in a molded case.

16-Piece Ratchet Set: contains stainless steel midget ratchet, 3 3/4" long; 1/4 and 3/8" slotted head drivers; #1 and #2 Phillips head drivers; 1/4" hex to square drive adapter; and ten Allen hex drivers .050 to 5/16" in softpack pouch.

THE Chapman MFG. company



90-200



90-316

Cat. No.	Description	Each 1-5	6-11
90-200	Standard Ratchet Set, 20 pc.	$29.00	$26.10
90-341	Standard Ratchet Set, 27 pc.	34.00	30.60
90-331	Standard/Metric Ratchet Set, 27 pc.	34.00	30.60
90-316	Ratchet Set, 16 pc.	17.50	15.75

39-Piece Screwdriver Bit Sets

JENSEN® Lifetime Guarantee

➥ 1/4" hex shank ➥ Inch/metric ➥ Includes fitted case

Inch Set includes the following styles and sizes: Phillips #1, #2 , #3 and reduced #2; slotted 3-4, 6-8, 8-10,10-12; square recess 0, 1, 2, 3; spanner #4-6-8-10; Torx T8, T9, T10, T15, T20, T25, T27, T30, T40; hex 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"; and a 2 1/2" bit holder.

Inch/Metric Set includes the following: Phillips #0, #1, #2, #2 reduced; slotted 1/8, 3/16, 1/4"; hex 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"; security hex 5/32; hex 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0; square #1, 2; Posi-drive #1, 2; Torx T5, T6; Tamper-Torx TT7, TT8, TT9, TT10, TT15, TT20, TT25; square adapter 1/4" hex to 1/4", and a 2 1/2" bit holder.



403-156

Cat. No.	Description	Each 1-5	6-11
403-156	Bit Set, Inch, 39 pc.	$34.95	$31.45
118-039	Bit Set, Inch/Metric, 39 pc.	39.95	35.95
945-014	Magnetic Screwdriver (see page 209)	6.95	6.25
945-140	Bit Holder, 2 1/2"	4.95	4.46
907-037	Plastic Case only	1.95	1.75



Wiha®

27-Piece Technician's Micro Bit Set

➥ Perfect for PC techs

➥ Bits can be used directly with handle or with extension

Includes precision swivel top handle, bit extension, four slotted bits 1.5, 2.0, 3.0, 4.0 mm; four Phillips bits #000, 00, 0, 1; nine Torx bits T3, 4, 5, 6, 7, 8, 9, 10, 15; eight hex bits .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32".

Cat. No.	Description	Each 1-5	6-11
12-991	Technician's Micro Bit Set, 27 pc.	$45.00	$40.50



Wiha®

10-Piece, 1/4" Torx®/Tamper Torx Bits-Selectors

12-245
12-247

Available in Torx and Tamper-Proof Torx. Compact, lightweight and durable sliding drawer holder.

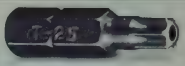
Cat. No.	Description	Each 1-5	6-11
12-245	T7-T40, Bits-Selector Torx Bits, 10 pc.	$17.95	$16.16
12-247	TT7-TT40, Bits-Selector Tamper-Proof Torx Bits, 10 pc.	24.95	22.45

JENSEN TOOLS INC.
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Tool Tip



1" Length 1/4" Hex Drive Bit Sets



Cat. No.	Description	Sizes	Each 1-5	6-11
945-388	Phillips/Slotted Set, 8 pc.	Phillips #0, #1, #2, #3; Slotted 3/16, 7/32, 1/4, 9/64"	$5.25	$4.73
945-390	Hex Set, 6 pc.	1/16, 5/64, 3/32, 7/64, 1/8, 9/64"	8.25	7.43
289-336	Hex Set, Inch, Ball-end, 12 pc.	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2"	25.95	23.36
289-099	Hex Set, Metric, Ball-end, 9 pc.	2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10, 12mm	22.95	20.66
118-202	Tamper-Torx Set, 7 pc.	TT7, TT8, TT9, TT10, TT15, TT20, TT25	18.95	17.06
945-700	Tamper-Torx Set, 7 pc.	TT10, TT15, TT20, TT25, TT27, TT30, TT40	18.95	17.06
945-389	Torx Set, 7 pc.	T7-T10, T15, T20, T25	10.50	9.45
647-459	Internal Linehead Set, 5 pc.	ALR2, ALR3, ALR4, ALR5, ALR6	35.00	31.50
647-555	External Linehead Set, 5 pc.	ALH2, ALH3, ALH4, ALH5, ALH6	32.00	28.80
647-647	Tamper Resistant Linehead Set, 4 pc.	ALR3T, ALR4T, ALR5T, ALR6T	34.00	30.60
660-490	Clutch-Head Set, 4 pc.	3/32, 1/8, 5/32, 3/16"	6.25	5.63
660-115	Pozi-Driv Set, 4 pc.	#0, #1, #2, #3	4.75	4.28
660-945	Security Phillips Set, 4 pc.	#1, #2, #3, #4	14.50	13.05
660-103	Robertson (Square) Set, 6 pc.	R1, R2, R3 (2 each)	6.25	5.63
660-288	Torq-Set Set, 6 pc.	#3, #4, #5, #6, #8, #10	13.95	12.56
660-264	Spanner Set, 5 pc.	#4, #6, #8, #10, #12	15.75	14.18

Torx, is a trademark of Camcar Textron
Torq-Set, Tri-Wing, Pozi-Driv and Phillips are trademarks of Phillips Screw Co.
Robertson is a trademark of Robertson Screw Co.

2" Length 1/4" Hex Drive Bit Sets



Cat. No.	Description	Sizes	Each 1-5	6-11
945-373	Phillips/Slotted Set, 6 pc.	Phillips #1, #2, #3; Slotted 1/8, 5/32, 1/4"	$6.95	$6.26
289-836	Hex Set, Inch, Ball-end, 12 pc.	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2"	30.95	27.86
289-899	Hex Set, Metric, Ball-end, 9 pc.	2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10, 12mm	26.50	23.85
660-230	Security Hex Set, 10 pc.	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16"	25.50	22.95
660-283	Tri-Wing Set, 4 pc.	#1, #2, #3, #4	8.75	7.88
660-270	Spanner Set, 4 pc.	#4, #6, #8, #10	11.95	10.76

Magnetic Close-Quarters Hex Bit Driver Set



Allows starting and driving fasteners in tight areas where conventional drivers are not suitable. Solid anodized aluminum with NEO magnet holds firmly while magnetizing inserted bit. Two-piece set includes color coded drivers for 1/4" and 5/16" hex bits. Bits sold separately.

Cat. No.	Description	Each
461-200	Magnetic Close-Quarters Hex Bit Driver Set 2/pc.	$12.95



JENSEN Lifetime Warranty 1/4" Hex Driver Handle

- 4" blade length

Cat. No.	Description	Each 1-5	6-11
948-014	Magnetic Driver without Bits	$6.95	$6.26



Security 1/4" Hex Drive Bit Set

- 2" long security type bits
- Use manually or with cordless tools

The set includes 7 1/2" flexible extension for cordless screwdrivers and drills, spanner bits #8 and #10, security Torx bits TT15 and TT20, security hex bits 5/32 and 3/16", security tri-wing bits #2 and #3, and a magnetic bit holder.

Cat. No.	Description	Each 1-5	6-11
660-002	Security Flex-A-Bit Set, 11 pc.	$31.75	$28.58

Xcelite "99" Series

- Space saver in your tool box
- Quick and easy blade identification

"Interchangeable" is the key word in describing Xcelite's "99" Series tools. Engineers and technicians prefer these tools because:

- They can be selected to exactly match the work being done, at the lowest cost with minimum size and weight
- Tool replacement is quick and economical, as only the blades need be replaced when worn out
- Handle and extension versatility (large, small, short, long, "T" or ratchet) is extended to every blade.

All blades are high carbon steel. Handles feature a patented spring device that holds blades firmly yet permits quick, easy insertion and removal. Blade lengths range from $4^1/_2$-$5^1/_2$" long.



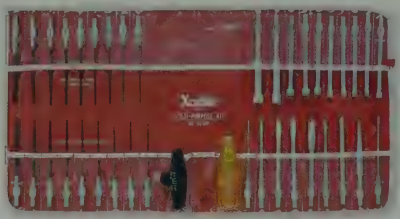


Cat. No.	Description	Each 1-5	6-11
Handles			
3-609	Regular, $4^1/_8$" long	$4.95	$4.46
3-611	Ratchet, $4^1/_8$" long	28.50	25.65
3-613	Junior, $3^1/_8$" long	4.95	4.46
3-993	Stubby, 2" long	4.75	4.28
3-617	"T" Style, 1 x $3^3/_8$"	6.25	5.63
3-619	Ratchet "T", 1 x $3^3/_8$"	29.50	25.55
Nutdriver Blades			
3-623	$^3/_{16}$"	$4.75	$4.28
3-625	$^7/_{32}$"	4.75	4.28
3-627	$^1/_4$"	4.75	4.28
3-633	$^9/_{32}$"	4.75	4.28
3-635	$^5/_{16}$"	4.75	4.28
3-641	$^{11}/_{32}$"	4.75	4.28
3-643	$^3/_8$"	4.75	4.28
3-647	$^7/_{16}$"	6.00	5.40
3-649	$^1/_2$"	6.00	5.40
3-651	4.0mm	4.25	3.83
3-653	4.5mm	4.25	3.83
3-655	5.0mm	4.25	3.83
3-657	5.5mm	4.25	3.83
3-659	6.0mm	4.25	3.83
3-661	7.0mm	4.25	3.83
3-663	8.0mm	4.25	3.83
3-665	9.0mm	4.95	4.46
3-994	10mm	4.95	4.46
3-991	11mm	4.95	4.46
Slotted Blades			
3-727	$^1/_8$"	$4.50	$4.05
3-733	$^3/_{16}$"	4.50	4.05
3-729	$^1/_4$"	4.50	4.05
3-731	$^5/_{16}$"	4.50	4.05
Phillips Blades			
3-735	#0	$4.50	$4.05
3-737	#1	4.50	4.05
3-739	#2	4.50	4.05

Cat. No.	Description	Each 1-5	6-11
Torx® Blades			
3-105	T6	$5.75	$5.18
3-050	T8	5.50	4.95
3-742	T10	5.25	4.73
3-744	T15	5.25	4.73
3-746	T20	5.25	4.73
3-722	T25	5.25	4.73
3-725	T27	5.50	4.73
3-728	T30	5.50	4.73
Tamper Torx® Blades			
3-888	TT8	$6.50	$5.85
3-369	TT10	6.50	5.85
3-919	TT15	5.95	5.36
Reamer Blade			
3-685	$^1/_8$ to $^3/_8$"	$11.50	$10.35
Hex Blades			
3-667	.050"	$4.50	$4.05
3-669	$^1/_{16}$"	4.50	4.05
3-671	$^5/_{64}$"	4.50	4.05
3-673	$^3/_{32}$"	4.50	4.05
3-675	$^7/_{64}$"	4.50	4.05
3-677	$^1/_8$"	4.50	4.05
3-679	$^9/_{64}$"	4.50	4.05
3-681	$^5/_{32}$"	4.50	4.05
3-683	$^3/_{16}$"	4.50	4.05
3-709	1.27mm	5.50	4.95
3-711	1.5mm	5.50	4.95
3-713	2mm	5.50	4.95
3-715	2.5mm	5.50	4.95
3-717	3mm	5.50	4.95
3-719	4mm	5.50	4.95
3-721	5mm	5.50	4.95

Cat. No.	Description	Each 1-5	6-11
Extension Blades			
36-905	4"	$5.00	$4.50
36-801	7"	5.50	4.95
Scrulox Blades			
3-401	#1	$5.25	$4.73
3-402	#2	5.25	4.73
3-403	#3	5.25	4.73
Ballpoint Hex Blades			
3-501	1.27mm	$6.95	$6.26
3-502	1.5mm	6.95	6.26
3-503	2mm	6.95	6.26
3-504	2.5mm	6.95	6.26
3-505	3mm	6.95	6.26
3-506	4mm	6.95	6.26
3-507	5mm	6.95	6.26
3-992	.050"	7.95	7.16
3-078	$^1/_{16}$"	7.50	6.75
3-220	$^5/_{64}$"	7.50	6.75
3-231	$^3/_{32}$"	7.50	6.75
3-240	$^1/_8$"	7.50	6.75
3-764	$^7/_{64}$"	7.50	6.75
3-964	$^9/_{64}$"	7.50	6.75
3-250	$^5/_{32}$"	7.50	6.75
3-260	$^3/_{16}$"	7.50	6.75
Pozidriv Blades			
3-831	#1	$7.25	$6.53
3-832	#2	7.25	6.53
3-833	#3	8.00	7.20

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



XCELITE

99MP Tool Kit

➥ **Contains most used "99" series tools**

An excellent supplementary item for your general purpose tool kit. Kit includes regular handle; "T" handle; nine nutdriver blades 3/16 through 1/2"; 1/4" magnetic nutdriver blade; nine Allen-hex blades .050 through 3/16"; nine Bristol spline blades .048 through .183"; four slotted screwdriver blades; three Phillips screwdriver blades #0, 1 and 2; reamer; and a 4" extension. Furnished in a roll pouch.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
3-603	99MP Fastener Tool Kit, 39 pc.	$193.00	$173.70
3-996	Roll Pouch only	30.00	27.00



XCELITE

99SM Service Master Kit

Weighs only 2 3/4 lbs. and can easily be carried in your tool box or stored in a workbench drawer. Kit includes a 6" thin-pattern adjustable wrench, regular handle, stubby handle, nine nutdriver blades 3/16 to 1/2", three stubby nutdrivers 1/4, 5/16 and 3/8", two Phillips screwdriver blades, two slotted screwdriver blades, one reamer, a 7" extension blade, 6" long nose pliers, 5" diagonal cutters and a durable roll pouch.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
3-601	99SM Service Master Kit, 23 pc.	$161.00	$144.90
3-757	Roll Pouch only	23.50	21.15

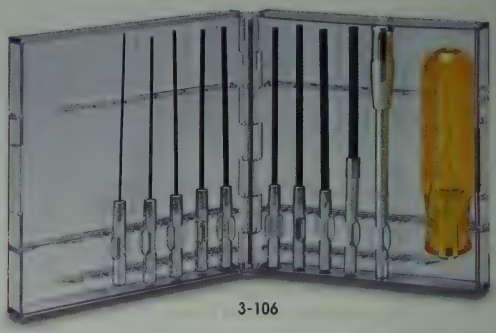


JENSEN

Nutdriver/Screwdriver Roll Pouch Kit

[illegible] the technician, serviceman or the home hobbyist. [illegible] handle; nine nutdriver blades (3/16-1/2"), Phillips [illegible] #1 and #2; and slotted screwdriver blades 3/16 and [illegible] features clear vinyl pockets and Velcro® closure.

[illegible]	[illegible]	Each 1-4	5-9
[illegible]	[illegible] Screwdriver Kit, 14 pc.	$52.00	$47.84



3-106

XCELITE

99-Series Sets

➥ **Inch or metric** ➥ **All sets include case/bench stand**

Metric Nutdriver Set – includes ten blades: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11mm; 4" extension and regular handle.

Regular-End Metric Hexdriver Set – seven regular-end hex blades: 1.27, 1.5, 2, 2.5, 3, 4, 5mm; 4" extension; regular handle.

Ball-End Metric Hexdriver Set – seven ball-end hex blades: 1.27, 1.5, 2, 2.5, 3, 4, 5mm; 4" extension; regular handle.

Regular-End Inch Hexdriver Set – nine regular-end hex blades: 0.050", 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"; 4" extension; regular handle.

Ball-End Inch Hexdriver Set – nine ball-end hex blades: 0.050", 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"; 4" extension blade; regular handle.

Bristol Spline Blade Set – nine spline blades: .048-6, .060-6, .069-4, .072-6, .076-4, .096-6, .111-6, .145-6, .183-6; 4" ext. blade; regular handle.

Pocket Kit – regular handle; seven nutdriver blades (3/16 through 3/8"); two slotted screwdriver blades; two Phillips screwdriver blades #1 and #2; and a 4" extension.

Cat. No.	Description	Each 1-5	6-11
3-650	Metric Nutdriver Set, 12 pc.	$61.00	$54.90
3-107	Regular-End Metric Hexdriver Set, 9 pc.	43.50	39.15
3-061	Ball-End Metric Hexdriver Set, 9 pc.	55.00	49.50
3-106	Regular-End Inch Hexdriver Set, 11 pc.	43.50	39.15
3-060	Ball-End Inch Hexdriver Set, 11 pc.	64.25	57.83
3-110	Bristol Spline Blade Set, 11 pc.	44.00	39.60
3-607	Pocket Kit, 13 pc.	55.75	50.18



XCELITE

99PR Roll Kit

Includes nine nutdriver blades 3/16 to 1/2", two slotted blades 3/16 and 1/4", two Phillips blades #1 and #2, a regular handle and a roll case.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
3-605	99PR Roll Kit, 14 pc.	$77.95	$70.16
3-929	Roll Pouch only	11.95	10.76

Crescent®
Cushion Grip Nutdrivers



Premium quality nutdriver set features precision machined, case-hardened socket and hollow steel shaft. Tapered cushion grip interlocks with butyrate core giving a powerful, comfortable grip. Includes 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2".

Cat. No.	Description	Size	Each 1-5	6-11
3-119	Cushion Grip Nutdriver Set, 7 pc.	All	$41.25	$37.13

JENSEN
Lifetime Guarantee
Nutdriver Set



➥ Hollow shaft

Set contains nine nutdrivers in Cordura® roll pouch: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16 and 1/2". Color-coded handles for easy size selection.

Cat. No.	Description	Each 1-5	6-11
23-103	Nutdriver Set, 9 pc.	$46.00	$41.40
216-292	Pouch only	11.00	9.90

Individual nutdrivers available. Call for prices.



XCELITE
Mini-Nutdriver Set

➥ Hollow shaft

Set includes 10 mini-nutdrivers and one torque amplifier handle in clear plastic case/bench stand: 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, and 3/8". Color-coded handles for easy size selection. Overall length 3 1/2".

Cat. No.	Description	Each 1-5	6-11
36-103	Mini-Nutdriver Set, 10 pc.	$28.00	$25.20



GENERAL
Precision Nutdriver Set

Fits small hex nuts in sizes 3/32, 1/8, 5/32, 7/32 and 1/4". Textured handle with fingertip swivel head. Nickel-plated heat-treated carbon steel construction. 2 1/2" blade length. 6" overall length.

Cat. No.	Description	Each 1-5	6-11
39-750	Precision Nutdriver Set, 5pc	$16.50	$14.85



XCELITE
Nutdriver Sets

➥ Fixed handles ➥ Inch or metric

Inch Set includes color-coded nutdrivers, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, and 9/16" in molded case. Full hollow shafts.

Metric Set includes 4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 13mm in molded case. Shafts are drilled out to 1 1/4".

Cat. No.	Description	Each 1-5	6-11
3-227	Inch Nutdriver Set, 10 pc.	$59.95	$53.96
3-570	Metric Nutdriver Set, 10 pc.	61.25	55.13



Pocket Sockets

Eight popular size nutdrivers in two tools. Handle is 3" long.
958-401 has sizes 1/4, 5/16, 3/8 and 7/16" nutdrivers.
958-402 has sizes 3/16, 7/32, 9/32, and 11/32" nutdrivers.

Cat. No.	Description	Size Range	Each 1-5	6-11
958-401	Pocket Socket	1/4 - 7/16"	$15.50	$13.95
958-402	Pocket Socket	3/32 - 11/32"	15.50	13.95

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JENSEN
Lifetime Guarantee

Standard L-Hex Key Sets



- Available in short and long arm sets
- Choose inch or metric
- Convenient molded holders keep keys together.

Cat. No.	Description	# Keys	Size	Each 1-5	6-11
370-113	L-Key Set, Inch, Short Arm	13	.050-3/8"	$6.00	$5.40
370-013	L-Key Set, Inch, Long Arm	13	.050-3/8"	8.75	7.88
370-509	L-Key Set, Metric, Short Arm	9	1.5-10mm	6.75	6.08
370-009	L-Key Set, Metric, Long Arm	9	1.5-10mm	8.50	7.65

BONDHUS

289-900



289-012

Ball End L-Key Sets

- Inch & metric
- Long arm

Ball-end can be inserted in screw at angles up to 25° without binding. All sets in indexed case.

Cat. No.	Description	Size	Each
289-932	Inch Set, 8pc.	.505 thru 5/32"	$6.95
289-938	Inch Set, 10pc.	1/16 thru 1/4"	9.50
289-012	Inch Set, 12pc.	.050 thru 5/16"	12.00
289-937	Inch Set, 13pc.	.050 thru 3/8"	15.00
289-006	Metric Set, 6pc.	1.5 thru 5mm	5.75
289-900	Metric Set, 9pc.	1.5 thru 10mm	12.50

Hex and Spline Key Sets



- Inch or metric

79-050 has ten short arm hex keys: .028 to 5/32".

158-028 has seven short arm metric keys: 2 to 8mm.

79-055 contains ten spline keys: .033-4, .048-4, .048-6, .060-6, .069-4, .072-6, .076-4, .096-6, .111-6, .113-6.

60-028 contains 12 hex keys: .050, [illegible] 5/32"; spline keys: .060-6, [illegible] .096-6, .111-6, .145-6.

Cat. No.	Description	# Keys	Each 1-4	5-11
79-050	[illegible] Key Inch Set	10	$2.75	$2.20
158-028	[illegible] Key Metric Set	7	5.95	4.76
79-055	[illegible] Key Set	10	8.95	7.16
60-028	[illegible] e Key Set	12	10.50	8.40

JENSEN
Lifetime Guarantee

L-Ball End Hex Key Sets



- Choose inch or metric
- Convenient molded holders keep keys together.

Cat. No.	Description	# Keys	Size	Each 1-5	6-11
370-297	L-Ball End Hex Key Set, Inch	7	5/64-3/16"	$6.25	$5.63
370-211	L-Ball End Hex Key Set, Inch	11	.050-1/4"	9.00	8.10
370-212	L-Ball End Hex Key Set, Inch	12	.050-5/16"	11.50	10.35
370-213	L-Ball End Hex Key Set, Inch	13	.050-3/8"	14.50	13.05
370-607	L-Ball End Hex Key Set, Metric	7	1.5-6mm	6.25	5.63
370-609	L-Ball End Hex Key Set, Metric	9	1.5-10mm	11.50	10.35

Buy Inch/Metric Combo Packs and SAVE!

Cat. No.	Description	# Keys	Each 1-5	6-11
370-218	Small Combo Sets (See 370-211 & 370-607 above)	18	$14.95	$13.46
370-222	Large Combo Sets (See 370-213 & 370-609 above)	22	24.95	22.46

Individual Ball End "L" Wrenches

Cat. No.	Size	Length	Each
Inch			
289-802	.050"	2.8"	$1.75
289-803	1/16"	3.0"	1.75
289-804	5/64"	3.2"	1.75
289-805	3/32"	3.4"	1.75
289-806	7/64"	3.6"	1.75
289-807	1/8"	3.8"	2.00
289-808	9/64"	3.9"	2.00
289-809	5/32"	4.1"	2.00
289-810	3/16"	4.5"	2.25
289-811	7/32"	4.8"	2.25
289-812	1/4"	5.2"	2.25
289-813	5/16"	6.0"	2.75
289-814	3/8"	6.8"	2.75
Metric			
289-849	1.27mm	2.8"	$1.75
289-850	1.5mm	3.0"	1.75
289-852	2.0mm	3.2"	1.75
289-854	2.5mm	3.5"	1.75
289-856	3.0mm	3.9"	2.00
289-860	4.0mm	4.3"	2.00
289-864	5.0mm	5.0"	2.25
289-868	6.0mm	5.4"	2.25
289-872	8.0mm	6.2"	2.75
289-876	10.0mm	6.6"	2.75

Fold-Up Torx Key Sets



370-571 contains 8 keys: T9, T10, T15, T20, T25, T27, T30 and T40. (USA)

370-572 contains 7 keys: T6, T7, T8, T9, T10, T15 and T20.

Cat. No.	Description	# Keys	Each 1-5	6-11
370-571	Fold-Up Torx Key Set, Large	8	$9.95	$8.96
370-572	Fold-Up Torx Key Set, Small	7	10.95	9.86

BONDHUS

T-Handle Balldrivers



- Extra long 8.5 to 11"
- Inch or metric

Cushioned grips on welded T-handles.

289-146 has 5/32, 3/16, 7/32, 1/4, 5/16, 3/8";
289-147 has 3/32, 7/64, 1/8, 9/64 (not ball end), 5/32, 3/16, 7/32, 1/4, 5/16, 3/8";
289-148 has 4, 5, 6, 8, 10mm;
289-149 has 2.0, 2.5, 3, (not ball end), 4, 5, 6, 8, 10mm sizes.

Cat. No.	Description	Size/Range	Each 1-5	6-11
289-146	Inch T-Handle Set, 6 pc.	5/32-3/8"	$33.00	$27.90
289-147	Inch T-Handle Set, 10 pc.	3/32-3/8"	44.50	40.05
289-148	Metric T-Handle Set, 5 pc.	4-10mm	28.50	25.65
289-149	Metric T-Handle Set, 8 pc.	2.0-10mm	35.95	32.36



289-632



289-589

BONDHUS

Gorilla Grip™ Fold-Up Key Sets

Compact fold-up key sets feature durable composite handles, color coded for easy identification. Precision fit chamfered ends. Blades constructed of high-torque 8650 industrial steel.



289-550

Cat. No.	Description	Size	Each 1-5	6-11
289-589	Inch Hex Key Set, 9 pc.	5/64-1/4"	$5.95	$5.36
289-591	Inch Hex Key Set, 9 pc.	0.050-3/16"	4.95	4.46
289-592	Metric Hex Key Set, 7 pc.	1.5-6mm	4.95	4.46
289-632	Torx Key Set, 8 pc.	T6-T25	11.95	10.76
289-550	Inch/Metric Hex Set, 12 pc.	5/64-5/32", 1.5-5mm	8.50	7.65

ALLEN

Hex Key Sets



- Inch & metric
- Long & short arm

Precise hexagon tolerances and chamfered ends for secure fit. Size marked on each wrench. Sets supplied in metal indexed boxes.

Cat. No.	Description	Each
527-675	Long Arm Hex Key Set, 1/16 - 1/2", 13 pc.	$17.25
527-028	Short Arm Hex Key Set, .028 - 3/8", 15 pc.	18.95
527-175	Long Arm Hex Key Set, 1.5 - 12mm, 10 pc.	17.25
527-038	Short Arm Hex Key Set, 07 - 10mm, 12 pc.	21.50



BONDHUS

Inch or Metric Balldriver Sets

- Full-size or miniature
- Inch or metric
- Use at any angle up to 25° off axis

Heat treated alloy steel blades with handles and blade length proportioned to fastener size. Large sets in molded plastic case, miniature sets in plastic pouch.

Cat. No.	Description	Size/Range	Each 1-4	5-11
289-800	Full-Size Inch Set, 8 pc.	7/64 thru 5/16"	$29.75	$23.80
289-737*	Full-Size Inch Set, 11 pc.	5/64 thru 3/8"	48.50	38.80
289-637	Full-Size Inch Set, 13 pc.	.050 thru 3/8"	44.00	35.20
289-502	Mini-Inch Set, 8 pc.	.050 thru 5/32"	18.25	14.60
289-733*	Full-Size Metric Set, 8 pc.	2.0 thru 10mm	39.00	31.20
289-009	Full-Size Metric Set, 9 pc.	1.5 thru 10mm	35.00	28.00
289-504	Mini-Metric Set, 7 pc.	1.27 thru 5mm	17.50	14.00

*Longer length

Individual Balldrivers

Cat. No.	Size	Length	Each 1-5	6-11
289-602	.050"	3.2"	$1.95	$2.76
289-603	1/16"	3.3"	2.25	2.03
289-604	5/64"	3.5"	2.50	2.25
289-605	3/32"	3.7"	2.50	2.25
289-606	7/64"	2.9"	2.50	2.25
289-607	1/8"	3.1"	2.50	2.25
289-608	9/64"	3.3"	2.50	2.25
289-609	5/32"	3.5"	2.75	2.48
289-610	5/16"	3.8"	3.50	3.15
289-650	1.5mm	3.4"	2.50	2.25
289-652	2.0mm	3.5"	2.50	2.25
289-654	2.5mm	3.9"	2.50	2.25
289-656	3.0mm	3.3"	2.50	2.25
289-660	4.0mm	3.8"	2.95	2.66

BONDHUS

Inch or Metric Bonus Packs

- Choose inch or metric
- Save over individual sets

Balldriver L-Wrench sets offered with Gorilla Grip fold-up hex key sets.

Inch Bonus Pack contains 13 Balldriver L-keys from .050 to 3/8" and a 9 piece standard hex Gorilla Grip set from 5/64 to 1/4".

Metric Bonus Pack contains nine metric Balldriver L-keys from 1.5 to 10mm and a 7 piece standard hex Gorilla Grip set from 2 to 8mm.



Cat. No.	Description	Each 1-5	6-11
289-189	Inch Bonus Pack	$19.95	$17.96
289-187	Metric Bonus Pack	18.75	16.88

Safety Note: Ensure power is turned off before working on equipment. Insulated tools are intended to protect against accidental contact with live circuits.

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Cementex

Telecommunications Tool Roll

- Protection from shock and flashover
- Tested at 10,000 volts for use up to 1000 volts
- Two-color double insulation

Tool assortment designed specifically for the communications and cable industries. Tool pouch included.

16 Tools in all:
Lineman's Pliers, 9"
Needle Nose Pliers, 6"
Slip Joint Pliers, 8"
Screwdriver, Slotted (4)
3/16 x 4 1/2" Cabinet,
1/4 x 4 1/2" Mechanics,
5/16 x 6" Mechanics,
3/8 x 10" Mechanics
Screwdriver, Phillips #2 x 4"
3/8" Drive Reversible Ratchet
3/8" Drive 3" Extension
3/8" Drive Sockets (4) 3/8, 7/16, 1/2, 9/16"
3/8" Drive Deep Wall Socket 5/8"
3/8" Drive Torque Wrench (5-150 inch lbs.)

Cat. No.	Description	Each 1-4	5-9
346-101	Telecommunications Tool Roll	$705.00	$669.75

C.K

Insulated Tool Set



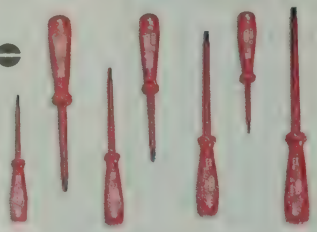
- Top quality construction
- Conforms to IEC 900, ASTM 1505-94, DIN EN6090
- For use up to 1000V

Insulation is permanently affixed to tools. Chrome vanadium steel set contains 7" side cutter, 8" long nose pliers, 6 1/2" long nose pliers, 8" lineman's pliers, seven slotted screwdrivers: 7/64 x 3", 5/32 x 4", 7/32 x 5", 1/4 x 6" and three Phillips: #0 x 2 1/4", #1 x 3" and #2 x 4". Zipper storage case.

Cat. No.	Description	Each 1-5	6-11
194-675	Insulated Tool Set, 11 pc.	$249.00	$224.10

C.K

Insulated Screwdriver Set



- Conforms to IEC 900, ASTM 1505-94, DIN EN6090
- For use up to 1000V

[illegible] molded onto the high grade vanadium steel [illegible] attached to the shock-resistant plastic handle. [illegible] 1/8 x 3", 1/8 x 4", 3/16 x 5", 1/4 x 6", and [illegible] #1 x 3", #2 x 4".

[illegible]	Each
[illegible]	$49.00

Cementex

Deluxe Insulated Maintenance Kit



- Protection from shock and flashover
- Tested at 10,000 volts for use up to 1000 volts
- Two-color double insulation

Comprehensive assortment of 29 insulated tools stored in a rugged, waterproof, polyethylene case. Die-cut foam protects tools and insures tool accountability. 15 x 6.25 x 19.75", 20 lbs.

29 Tools in all:
Screwdriver, Slotted (3)
9/64 x 2, 3/16 x 4 1/2",
1/4 x 6"
Screwdriver, Phillips (2)
#1 x 3", #2 x 4"
Lineman's Pliers, 9"
Needle Nose Pliers, 8"
Diagonal Pliers, 7 1/2"
3/8" Drive Reversible Ratchet
3/8" Drive x 3" Extension
3/8" Drive x 6" Extension
8 piece 3/8" to 13/16" Deep Wall Socket set - 12 pt.
8 piece 3/8" to 3/16" Box End Wrench Set
3/8" Torque Wrench (5 - 150 inch lbs.)
Mini Flashlight

Cat. No.	Description	Kit Price 1-4	5-9
346-100	Deluxe Maintenance Kit	$1510.00	$1434.50



Cementex

Insulated Screwdrivers and Nutdrivers

- Comfortable cushion-grip handles
- Individually Tested at 10KV for use up to 1000V
- Two-color Insulation
- Meets ASTM 1505-94 and IEC 900 Standards

Nutdrivers are color-coded for quick identification. 2 1/2" hollow shaft permits driving of nuts over long screws.

Cat. No.	Description	Size	Length	Each
346-024	Insulated Screwdriver, Slotted	7/32"	1 3/4"	$19.00
346-025	Insulated Screwdriver, Slotted	7/32"	3 1/4"	19.00
346-026	Insulated Screwdriver, Slotted	1/4"	4 1/2"	18.95
346-027	Insulated Screwdriver, Slotted	5/16"	6"	20.50
346-028	Insulated Screwdriver, Slotted	3/8"	8"	21.75
346-029	Insulated Screwdriver, Phillips	#1	3"	18.00
346-030	Insulated Screwdriver, Phillips	#2	1 1/2"	18.00
346-031	Insulated Screwdriver, Phillips	#2	4"	18.00
346-032	Insulated Screwdriver, Phillips	#2	8"	18.00
346-033	Insulated Nutdriver, Black	3/16"	–	17.75
346-034	Insulated Nutdriver, Red	1/4"	–	17.75
346-035	Insulated Nutdriver, Yellow	5/16"	–	17.75
346-036	Insulated Nutdriver, Green	11/32"	–	17.75
346-037	Insulated Nutdriver, Blue	3/8"	–	19.25
346-038	Insulated Nutdriver, Brown	7/16"	–	19.25
346-039	Insulated Nutdriver, Red	1/2"	–	20.50
346-043	Insulated Nutdriver, Orange	9/16"	–	22.00



C.K

Insulated Wrenches

Double insulated handle, red over yellow. Single insulation, red, over tool head only. Chrome-plated chrome-vanadium steel construction. Box wrenches are 12-point style. Conforms to IEC 900 DIN EN60900,VDE 10,000V tested for use up to 1,000V.

Box End Cat. No.	Each	Size	Open End Cat. No.	Each
194-410	$23.75	3/8"	194-420	$19.25
194-411	23.75	7/16"	194-421	19.25
194-412	24.75	1/2"	194-422	21.25
194-413	27.50	9/16"	194-423	23.50
194-414	33.75	5/8"	194-424	25.25
194-415	33.75	11/16"	194-425	25.25
194-416	36.50	3/4"	194-426	26.50
194-417	41.25	7/8"	194-427	29.50
194-418	45.00	15/16"	194-428	33.75
194-419	46.75	1"	194-429	33.75
194-485	23.75	10mm	194-495	19.25
194-486	23.75	11mm	194-496	19.25
194-487	24.75	12mm	194-497	20.75
194-488	24.75	13mm	194-498	21.25
194-489	28.75	14mm	194-499	23.50
194-490	33.75	17mm	194-500	25.95
194-491	36.50	19mm	194-501	26.50
194-492	41.25	21mm	194-502	26.50
194-493	41.25	22mm	194-503	29.50
194-494	46.75	24mm	194-504	33.75



Cementex

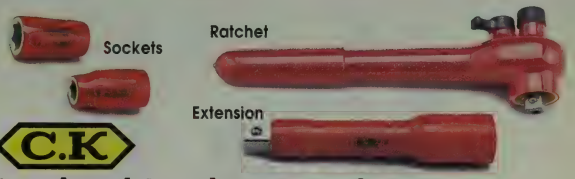
Insulated Deep Wall Socket Set

- Protection from shock and flashover
- Tested at 10,000 volts for use up to 1000 volts
- Two-color double insulation

11 piece set includes a 3/8" Drive Reversible Ratchet, 3" and 6" extensions and eight deep wall sockets in sizes 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 and 13/16". Tool pouch included.

Cat. No.	Description	Each 1-4	5-9
346-102	Insulated Socket Set	$332.00	$315.40

Safety Note: Ensure power is turned off before working on equipment. Insulated tools are intended to protect against accidental contact with live circuits.



C.K

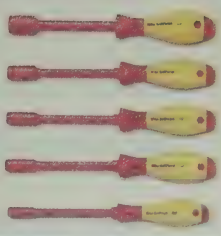
Insulated Ratchet & Sockets

Conforms to IEC900, DIN EN 60900 and German VDE standards. Individually tested to 10,000 volts AC for use up to 1000 volts AC. Double insulated, red over yellow. High-quality chrome-vanadium steel with chrome plating. 6-point style.

Cat. No.	Description	Size	Each
1/2" Drive			
194-430	1/2" Drive Insulated Ratchet	10 1/2" Long	$149.00
194-434	1/2" Drive Socket Extension	5" Long	53.25
194-400	1/2" Drive Insulated Socket	3/8"	18.50
194-401	1/2" Drive Insulated Socket	7/16"	18.50
194-402	1/2" Drive Insulated Socket	1/2"	18.50
194-403	1/2" Drive Insulated Socket	9/16"	18.50
194-404	1/2" Drive Insulated Socket	5/8"	18.75
194-405	1/2" Drive Insulated Socket	11/16"	18.75
194-406	1/2" Drive Insulated Socket	3/4"	19.00
194-407	1/2" Drive Insulated Socket	7/8"	21.00
194-408	1/2" Drive Insulated Socket	15/16"	21.00
194-409	1/2" Drive Insulated Socket	1"	22.00
194-475	1/2" Drive Insulated Socket	10mm	18.50
194-476	1/2" Drive Insulated Socket	11mm	18.50
194-477	1/2" Drive Insulated Socket	12mm	18.50
194-478	1/2" Drive Insulated Socket	13mm	18.50
194-479	1/2" Drive Insulated Socket	14mm	18.75
194-480	1/2" Drive Insulated Socket	17mm	18.95
194-481	1/2" Drive Insulated Socket	19mm	18.95
194-482	1/2" Drive Insulated Socket	21mm	20.95
194-4830	1/2" Drive Insulated Socket	22mm	20.95
194-484	1/2" Drive Insulated Socket	24mm	21.75
3/8" Drive			
194-511	3/8" Drive Insulated Ratchet	9" Long	157.00
194-510	3/8" Insulated Extension	5" Long	50.75
194-512	3/8" Drive Insulated Socket	3/8"	21.75
194-513	3/8" Drive Insulated Socket	7/16"	21.75
194-514	3/8" Drive Insulated Socket	1/2"	21.75
194-515	3/8" Drive Insulated Socket	9/16"	21.75
194-516	3/8" Drive Insulated Socket	5/8"	22.25
194-517	3/8" Drive Insulated Socket	11/16"	22.25
194-518	3/8" Drive Insulated Socket	3/4"	22.25
194-519	3/8" Drive Insulated Socket	7/8"	24.95
194-520	3/8" Drive Insulated Socket	10mm	21.75
194-521	3/8" Drive Insulated Socket	11mm	21.75
194-522	3/8" Drive Insulated Socket	12mm	21.75
194-523	3/8" Drive Insulated Socket	13mm	21.75
194-524	3/8" Drive Insulated Socket	14mm	21.75
194-525	3/8" Drive Insulated Socket	17mm	22.25
194-526	3/8" Drive Insulated Socket	19mm	22.25
194-527	3/8" Drive Insulated Socket	21mm	24.95
194-528	3/8" Drive Insulated Socket	22mm	24.95

Insulated Nutdriver Set

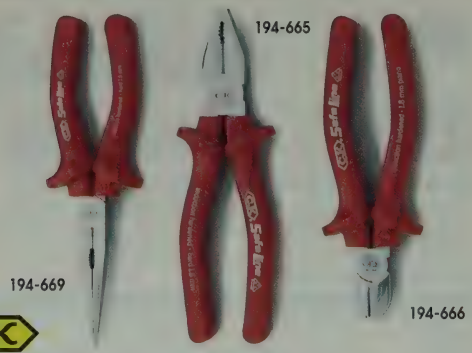
Wiha®



Manufactured in accordance with IEC900, ASTM-1505-94, VDE, and DIN 7437. Individually tested to 10,000V and certified to 1000VAC or 1500VDC. Insulation molded directly on blades for permanent bonding. 1" deep sockets. Large comfortable handles. Includes 7/32, 1/4, 5/16, 3/8 and 1/2" sizes.

Cat. No.	Description	Each 1-5	6-11
12-326	Insulated Nutdriver Set, 5 pc.	$47.95	$43.16

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



C.K

Insulated Electrician's Pliers

- Insulation molded & anchored to handles
- Individually tested at 10,000VAC for use up to 1000V
- Meets VDE, IEC 900 and EN60900 standards

Forged from chrome vanadium and high carbon steel.

Cat. No.	Description	Length	Each
194-669	Long Nose Pliers w/Cutter rated for 1.6mm Hard Wire	8"	$45.00
194-665	Lineman's Pliers w/Cutter rated for 1.6mm Hard Wire	8"	49.00
194-666	Diagonal Cutter rated for 1.8mm Piano Wire	7"	49.00



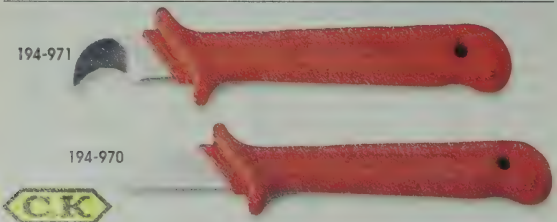
C.K

Insulated 1/4"-Hex Bit Driver

- Meets ASTM-F-1505-94, VDE 0682/201, EN60900 and IEC 60900 safety standards
- Individually tested at 10,000VAC for use up to 1000V

Extra-strong magnet for safe bit retention. Includes six 1/4" hex bits: 1 each 0.31 and 0.47" slotted, 2 each Phillips #1, #2. May be used with most 1" long 1/4" hex drive bits making this a highly versatile tool. Six bit storage compartments in handle with rotating "window" allows selection of the bit needed while retaining others.

Cat. No.	Description	Each
194-455	Insulated 1/4"-hex Bit Driver	$25.00



C.K

Insulated Cable Knives

- Individually tested at 10,000VAC for use up to 1000V
- Meets VDE, IEC 900 and EN60900 standards

194-970 features 1 3/4" long straight blade. **194-971** features 1 1/2" long [illegible] safety black cover.

Cat. No.	Description	Length	Each
194-970	Insulated Cable Knife, Straight Blade	7"	$15.50
194-971	Insulated Cable Knife, Hooked Blade	7"	16.25

Cementex

Insulated Wire Stripper and Cutters

- Molded-in thumb-stops
- Individually Tested at 10KV for use up to 1000V
- Meets ASTM 1505-94 and IEC 900 Standards

346-040 strips 10-18AWG solid-conductor primary wire. Pliernose.
346-041 handles thick gauge wire.
346-042 cuts up to 4/0 aluminum and 2/0 soft copper cable.



Cat. No.	Description	Length	Each
346-040	Insulated Wire Stripper	6"	$33.50
346-041	Insulated Diagonal Cutters	6"	31.50
346-042	Insulated Cable Cutting Pliers	9 1/2"	54.00

Cementex

Insulated Adjustable Wrenches and Pliers

- Individually Tested at 10KV for up to 1000V
- Two-color Insulation
- Meets ASTM 1505-94 and IEC 900 Standards



Cat. No.	Description	Length	Each
346-021	Insulated Adjustable Wrench*	6"	$39.00
346-006	Insulated Adjustable Wrench*	8"	40.00
346-005	Insulated Adjustable Wrench*	12"	62.00
346-023	Insulated Slip-Joint Pliers	8"	37.50
346-022	Insulated Needle Nose Pliers	6"	37.50

*Not 1000V rated due to the uninsulated working head.

Cementex

Class O 1000-V Glove Kits

For employee protection in potentially dangerous electrical work environments. Class-O, 1000-volt maximum rating. Pair of gloves includes heavy canvas carrying pouch.



Cat. No.	Mfr. No./Description	Each
346-0004	GKO-9 1000-V Glove Kit, Size 9	$138.00
346-0001	GKO-10 1000-V Glove Kit, Size 10	138.00
346-0002	GKO-11 1000-V Glove Kit, Size 11	138.00
346-0003	GKO-12 1000-V Glove Kit, Size 12	138.00

JENSEN
Lifetime Guarantee

Pliers

You can count on long years of use with your Jensen brand hand tools. In fact, we back them for as long as you own them.

➥ **Fine grain alloy steel** ➥ **Comfortable cushion grip handles**
➥ **Individually inspected and finished**

Color-coded handles allow you to easily select the exact pliers you need quickly from your tool pouch, tool box or bench. But color-coding is only part of the story.

Jensen pliers are manufactured to the most stringent specifications to assure you of top performance on the job. Forged from fine grain alloy steel to exact size, shape and weight for smooth, easy operation. Gripping edges are accurately aligned to meet precisely and hold securely. Cutting edges are hardened, honed, hand finished and individually inspected. Handles are cushioned for working comfort.

Our Jensen pliers carry a **lifetime guarantee** in addition to our regular **30-day satisfaction guarantee.**





JTK-89



JTK-82

JENSEN
Lifetime Guarantee

Pliers Kits

JTK-82 includes 1-003, 1-005, 1-001 & 1-007 described at right in sturdy roll pouch with Velcro® closure.

JTK-89 includes all six pliers described at right in sturdy roll pouch with Velcro® closure or in heavy-duty vinyl fold-up case with pouches and snap-close cover.

Cat. No.	Description	Each 1-4	5-7
JTK-82	Pliers Kit in Roll Pouch, 4 pc.	$56.50	$51.98
JTK-89R	Pliers Kit in Roll Pouch, 6 pc.	89.00	81.88
JTK-89	Pliers Kit in Fold-Up Case, 6 pc.	93.00	85.56
216-133	Fold Up Case with Snap only	10.00	9.00



JENSEN
Lifetime Guarantee

Individual Pliers

Miniature Diagonal Cutters - Blue
Semi-flush cut for most types of small wire used in electronic work. Spring-loaded handles. Overall length $4^3/_8$", cut length $^1/_2$".

Diagonal Cutting Pliers - Red
Narrow jaws reach easily into confined areas. Semi-flush cut. For general purpose electronic work. Overall length $5^1/_4$", cutting length $^{17}/_{32}$".

Thin Needle Nose Pliers - Beige
Finely serrated tips and thin needle nose for pulling or bending wire in confined spaces. Spring-loaded handles. Overall length 6", nose length 2".

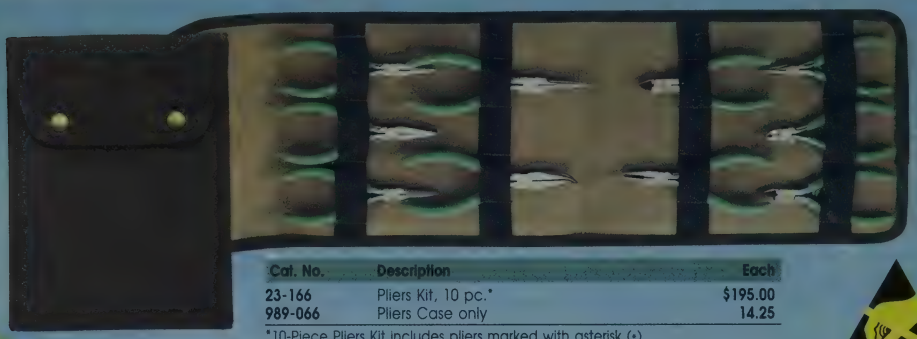
Chain Nose with Cutter - Yellow
Long nose and strong serrated jaws, sharp side cutter, ideal for a variety of electronic and electrical work. Overall length $6^1/_2$", nose length $1^7/_8$".

Miniature Chain Nose - Orange
Narrow tapered, serrated jaws. Hold, bend, loop and pull wires in close quarters. Spring-loaded handles. Overall length $4^7/_8$", nose length 1".

Thin Nose Diagonal Cutter - Turquoise
Flush-cutting diagonal cutter with thin pointed nose for reaching into tight areas. Spring-loaded handles. Overall length $4^3/_8$", cut length $^1/_2$".

Cat. No.	Description	Handle	Each 1-5	6-11
1-003	Miniature Diagonal Cutters	Blue	$13.50	$12.15
1-005	Diagonal Cutting Pliers	Red	12.75	11.48
1-004	Thin Needle Nose Pliers	Beige	15.25	13.73
1-001	Chain Nose with Cutter	Yellow	13.50	12.15
1-007	Miniature Chain Nose	Orange	13.50	12.15
1-002	Thin Nose Diagonal Cutter	Turquoise	15.95	14.36

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Kit includes the most popular **XCELITE** electronic pliers. ESD safe. Spring-loaded handles. Cushion grips. (Cutters are for soft non-ferrous wire only.) Case has a Cordura® nylon exterior with suede cloth interior and snap cover.

- Lifetime guarantee
- Static-dissipative grips, not for use on live circuits

Cat. No.	Description	Each
23-166	Pliers Kit, 10 pc.*	$195.00
989-066	Pliers Case only	14.25

10-Piece Pliers Kit includes pliers marked with asterisk ()



66-354*
MS54-9J
Tapered
Diagonal Cutters



66-350*
MS54-3J
Thin
Diagonal Cutters



66-410*
GA54J
Angled
Flush Cutters



66-365*, 66-004
L4G, L4
Subminiature
Long Nose Cutters



66-154*, 66-360
MS54, MS54J
Miniature
Diagonal Cutters



66-545
MS54-5J
Straight
Diagonal Cutters

Tapered Diagonal Cutters - Flush ground edges, tapered cutter. $4^1/_8$" long with $^7/_{16}$" cutter.

Thin Diagonal Cutter - Back side ground thin for flush cutting in confined areas. $4^1/_8$" long with $^7/_{16}$" cutter.

Angled Flush Cutter - Angled flush cutters for precision lead trimming in confined areas. 4" long with $^7/_{16}$" jaws and 29° angled cutter.

Subminiature Long Nose Pliers - Very fine points. 4" long with 1" jaws. **66-365** has smooth jaws with rounded edges. **66-004** has finely scored jaws.

Miniature Diagonal Cutters - $4^1/_8$" long with $^7/_{16}$" cutter. Flush or semi-flush.

Straight Diagonal Cutter - Straight sides are flush ground to a $^1/_{32}$" point at tips of jaws. $4^1/_8$" long with $^7/_{16}$" cutter.

Miniature Needle Nose Pliers - $4^7/_8$" long with finely scored jaws. **66-542** has extra fine $^1/_{32}$" nose tips.

Duck Bill Pliers - 5" long with $1^1/_4$" smooth jaw.

Long Nose Pliers - Scored jaws. **66-657** is $4^7/_8$" long with a $^7/_{32}$" side cutter. **66-254** is same, but has no cutter. **66-655** is $5^7/_8$" long with $^5/_{16}$" side cutter.

Curved Long Nose Pliers - $5^3/_4$" long with $^1/_2$" curved tip at end of smooth jaws.

Needle Nose Pliers - **66-157** is 6" long with scored $1^3/_4$" jaws and pilot pin. **66-155** is 6" long with $1^3/_4$" scored jaws.

Transverse End Cutter - Special end cutter for PCB work. $4^3/_4$" long with 1" jaws and $^1/_8$" flush cutter at end.

Cat. No.	Description	Each
66-354*	Tapered Diagonal Cutter	$16.75
66-350*	Thin Diagonal Cutter	17.75
66-410*	Angled Flush Cutter	27.75
66-365*	Subminiature Long Nose Pliers w/Smooth Jaws	16.50
66-004	Subminiature Long Nose Pliers w/Scored Jaws	16.00
66-154*	Miniature Diagonal Semi Flush Cutter	16.50
66-360	Miniature Diagonal Flush Cutter	16.95
66-545	Straight Diagonal Cutter	16.00
66-542	Miniature Pliers, Fine Needle Nose	18.50
66-654	Miniature Pliers, Needle Nose	18.75
66-054*	Duck Bill, Smooth Jaw Pliers	17.50
66-254	Long Nose Pliers	16.00
66-657	Long Nose Pliers w/Cutter	18.00
66-655*	Long Nose Pliers w/Cutter	18.50
66-157*	Needle Nose Pliers w/Scored Jaws	21.75
66-158*	Curved Long Nose Pliers	20.00
66-155	Needle Nose Pliers w/Scored Jaws	18.25
66-544*	Transverse End Cutter	21.95



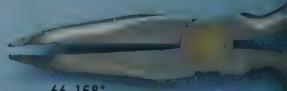
66-542, 66-654
NN54-2, NN54
Miniature
Needle Nose Pliers



66-054*
DN54G
Duck Bill Pliers



66-254, 66-657, 66-655*
LN54, SN54, SN55
Long Nose Pliers



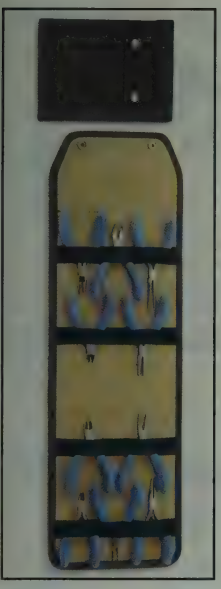
66-158*
CN55G
Curved Long Nose Pliers



66-157*, 66-155
LN774-51/2, NN55
Needle Nose Pliers
with scored jaws

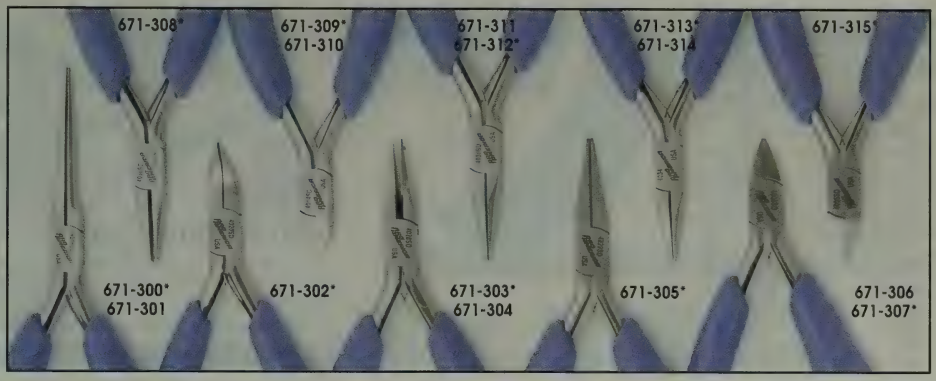


66-544*
EC54J
Transverse End Cutters



Cat. No.	Description	Each
23-672	Pliers Kit, 10 pc.*	$154.00

10 pc. Kit includes pliers marked with asterisk ()



Cat. No.	Description	Jaw/Cut	Cut/Jaw Length	OAL	Each
671-300*	Needle Nose	Scored	2"	5.75"	$13.75
671-301	Needle Nose	Smooth	2"	5.75"	13.75
671-302*	Curved Long Nose	Scored	3/4"	4.5"	13.75
671-303*	Long Nose with Cutter	Scored	1 1/8"	4.75"	14.75
671-304	Long Nose w/o Cutter	Scored	1 1/8"	4.75"	13.75
671-305*	Duck Bill	Smooth	1 1/8"	4.5"	13.75
671-306	Thin-Head Diagonal	Semi-Flush	1/2"	4.5"	14.50
671-307*	Thin-Head Diagonal	Full-Flush	1/2"	4.5"	14.75
671-308*	Transverse End Cutter	Full-Flush	1/4"/1"	4.75"	14.75
671-309*	Oval-Head Diagonal	Semi-Flush	1/2"	4.25"	14.50
671-310	Oval-Head Diagonal	Full-Flush	1/2"	4.25"	14.75
671-311	Miniature Needle Nose	Smooth	1 1/8"	4.75"	14.50
671-312*	Miniature Needle Nose	Scored	1 1/8"	4.75"	14.50
671-313*	Subminiature Long Nose	Smooth	3/4"	4.5"	13.00
671-314	Subminiature Long Nose	Scored	3/4"	4.5"	13.00
671-315*	Thin Diagonal	Full-Flush	7/16"	4.25"	13.00

PRO AMERICA PREMIUM TOOLS

Electronic Pliers

- Soft, static-dissipative grips
- Meets or exceeds US government and ANSI specs
- Lifetime factory warranty

Quality pliers are hot drop forged from the finest steel, heat treated, hand sharpened and matched in pairs for maximum durability.



Cat. No.	Description	Capacity	Jaw	Cut	OAL	Each
105-420	Diagonal Cutter	18 AWG	Taper Slim	Flush	4.8"	$26.00
105-413	Diagonal Cutter	18 AWG	Oval Slim	Flush	4.8"	26.00
105-411	Diagonal Cutter	16 AWG	Oval	Flush	4.8"	26.00
105-800	Diagonal Cutter	13 AWG	Oval	Semi-flush	5.0"	28.00
105-801	Diagonal Cutter	14 AWG	Taper	Flush	5.0"	28.00
105-200	Duckbill		Smooth		5.3"	20.00

Cat. No.	Description	Jaw	OAL	Each
105-242	Long Nose, Curved	Serrated	5.3"	$28.00
105-108	Long Nose, Micro	Smooth	4.6"	22.50
105-109	Long Nose, Micro	Serrated	4.6"	24.00
105-324	Long Nose	Smooth	5.5"	26.00
105-325	Long Nose	Serrated	5.5"	26.00
105-331	Needle Nose	Serrated	6.0"	26.00

Swanstrom Tools USA

Electronic Pliers and Cutters

- Soft, static dissipative grips
- High carbon alloy forged steel
- Double leaf springs in handles

Made of the finest high carbon, high chromium alloy steel for durability. Exceeds ANSI specifications. Machined and lapped joints for perfect alignment. Full polish finish for cleanliness and rust prevention. Double stainless steel leaf springs. Lifetime factory warranty.

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VANTAGE™

Micro-Miniature Pliers

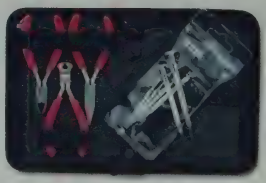


Ultra slim design (only 3/16 x 1/8" at hinge pin) allows use of these tools in the smallest spaces. Curved comfort-designed cushioned handles. Box joint construction. Smooth jaws. All stainless steel. Length 5".

Cat. No.	Description	Each 1-4	5-11
23-040	Pliers Set in Vinyl Wallet, 4 pc.	$31.00	$28.52
65-706	Offset Flat Nose Micro Pliers	7.95	6.36
65-703	Chain Nose Micro Pliers	7.95	6.36
65-705	Needle Nose Micro Pliers	7.95	6.36
65-704	Flat Nose Micro Pliers	7.95	6.36

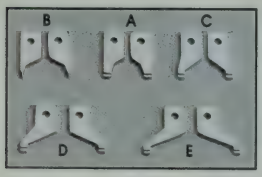
STANLEY

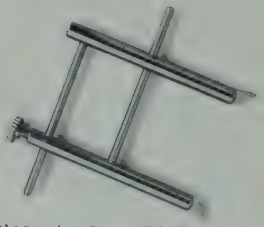
Mini Tool Kit



Compact tool kit stores almost anywhere. Perfect for a variety of uses. Includes 6-piece precision screwdriver set with pouch, 4" flat-nose plier, 4" diagonal cutting plier, 4" end-nipper and water-resistant zipper storage case.

Cat. No.	Description	Each 1-5	6-11
865-682	Mini Tool Kit	$13.95	$12.56





Spanner Wrenches

➥ Adjust with one screw from 0-4 1/2" ➥ Reversible tips

For use on retaining rings where precision and stability are required. Hardened tips are held firmly in place with spring-loaded balls and are easily inserted and removed. Spanner wrench quickly adjusts from 0-4 1/2" with one thumb screw. Each tip may be reversed in its holder for inside/outside use.

Cat. No.	Description	Each 1-5	6-11
684-346	Wrench with 3 Bits (A, B & D)	$59.00	$53.10
684-345	Wrench with 5 Bits (A, B, C, D, & E)	77.00	69.30



C-Clip Remover/Setter

➥ Removes clips easily ➥ Springs hold clips

One end of tool has a hook with leaf spring tension for removing clip, other end has leaf spring for holding clip in position to insert. Narrow shape permits use in confined places.





Cat. No.	Description	Each 1-5	6-11
81-[illegible]00	C-Clip Remover/Setter	$12.00	$10.80



XCELITE

Lead Cutting Shears

For flush-cutting of most leads. High carbon steel construction. Lightweight, thin profile. Cushion-grip handles. **406-411** has safety catch that retains cut off wire to prevent flying leads. **406-420** has 70° right angle blades for maximum visibility and cutting control.

Cat. No.	Description	Each
406-410	Regular Cutter	$7.25
406-411	Safety Cutter	8.50
406-420	70° Cutter	14.00

XCELITE

Shearcutter/ Plier Set



Set contains two of the most popular pliers for electronic assembly and production. General purpose flush-cutter accommodates most leads. Needle-nose plier has serrated jaws and a thin profile and long reach to access tight spaces. Both feature quality carbon-steel construction and cushion grips.

Cat. No.	Description	Each
406-422	Shearcutter/Plier Set, 2 pc.	$19.50

Hard-Wire Cutter



➥ Cuts 2mm hard-wire

Cushion gripped handles and compound action.

Cat. No.	Description	Length	Each 1-5	6-11
803-790	Hard-Wire Cutter	6 3/4"	$35.00	$31.50

XURON CORP.

Micro-Shear

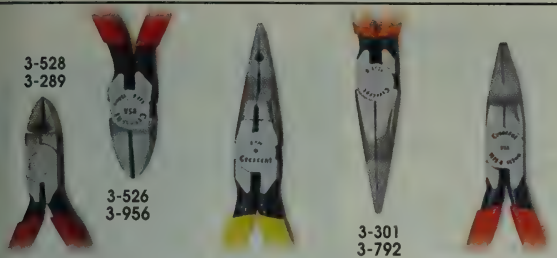


➥ Flush Cutters

➥ Popular and Economical Shear Cutter

Thin profile heads that allow for better access and maneuverability than conventional cutters. Reduces mechanical shock and requires about half the squeezing force of a conventional, compression (drop forged) type cutters. Blue, non-slip rubber grips. High quality carbon steel. Manufacturers lifetime warranty. Optional safety clips to protect operators from flying cut wires. Cuts soft wire up to 20AWG. 5" long.

Cat. No.	Mfr. No./Description	Safety Clip	ESD	Each
114-845	170-II Micro-Sheer Flush Cutter	N	N	$6.00
114-848	170-IIF Micro-Sheer Flush Cutter	Y	N	7.50
114-846	170-IIAS Micro-Sheer Flush Cutter	N	Y	7.50



Crescent®
Telecom Pliers

➥ **Bell spec'd designations** ➥ **Regular and oxide tipped**

Diagonal cutters in 5 and 6" lengths, long nose with and without cutters, and short nose for close work on blocks. Each version available with or without aluminum oxide coating. Coating helps prevent accidental shorting out of adjacent terminals and subsequent interruption of service.

Cat. No.	Bell Type	Non-Coated style	Each
3-528	BV	Diagonal Cutter, 5"	$19.95
3-526	D6	Diagonal Cutter, 6"	19.95
3-970	L1	Long Nose w/Cutter, 6 1/2"	28.00
3-301	B LN	Long Nose w/o Cutter, 6 1/2"	14.25
3-222	B SN	Short Nose, 6"	15.50

Cat. No.	Bell Type	Oxide Coated style	Each
3-289	CV	Diagonal Cutter, 5"	$27.95
3-956	E6	Diagonal Cutter, 6"	28.00
3-258	L2	Long Nose w/Cutter, 6 1/2"	32.50
3-792	D LN	Long Nose w/o Cutter, 6 1/2"	22.50
3-720	C SN	Short Nose, 6"	22.75

JONARD

Telecom Pliers

Quality pliers are designed in strict accordance with Bell specifications. Vinyl comfort-grip handles.

759-026 Diagonal Cutting Pliers feature tapered nose with standard-bevel knives. 0.030 and 0.045" skinning holes and crusher. Two V-shaped stripping notches. 7" OAL. Red.

759-027 Long-nose Pliers feature side-cutter, crushing slot, 0.030" stripping hole and thin knurled nose to facilitate handling wire at terminals. 7" OAL. Yellow.

759-028 Connector Crimping Pliers are designed to press UG, UR and UY connectors. Built in side-cutter. Special stop behind cut-out prevents damage to connectors. 6" OAL.

Cat. No.	Description	Each 1-5	6-11
759-026	Diagonal Cutting Pliers	$17.95	$16.16
759-027	Long Nose Pliers	24.95	22.45
759-028	Connector Crimping Pliers	16.00	14.40

HEYCO

Strain Relief Bushing Pliers



Adjustable plier fits all strain relief bushings for chassis ports up to 7/8".

Cat. No.	Description	Price
114-865	Strain Relief Bushing Pliers	$59.40

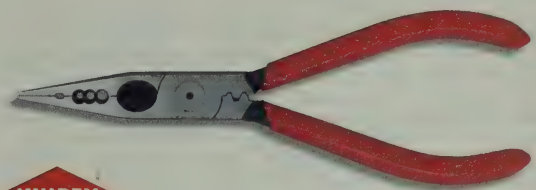


Multi-Nut Pliers

Specially designed pliers for gripping small fasteners. Holds nuts while tightening bolts. Narrow plier neck reaches into tight places. Machined surfaces hold or turn an infinite variety of small nuts or bolts. Use straight on or perpendicular to fastener. Vinyl grips. 7 1/2" overall length.

Cat. No.	Description	Each 1-5	6-11
418-949	Multi-nut Pliers	$14.95	$13.46



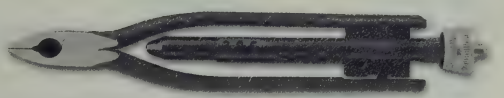


KNIPEX

4 in 1 Electrician's Pliers

Provides four functions in one quality tool: Powerful serrated gripping nose. Wire cutter factory tested for aluminum, copper, even hard wire. Stripping holes for 10, 12 and 14-gauge wire. Built in crimp die. 6 1/4" overall length.

Cat. No.	Description	Each 1-5	6-11
232-009	4-in-1 Electrician's Pliers	$31.50	$28.35



Safety Wire Twister with Auto Return

Tapered nose twister with speedy auto return enables the operator to quickly and effectively attach safety wire in accordance with the strictest standards.

Cat. No.	Description	Each 1-5	6-11
71-006	6" Safety Wire Twister with Auto Return	$29.95	$26.96
71-009	9" Safety Wire Twister with Auto Return	29.95	26.96

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



JENSEN
Lifetime Guarantee

Electrician's Pliers

Jensen quality pliers meet or exceed the best brands on the market for durability, comfort and value. Each plier is tested to exacting ANSI specifications to ensure lasting quality. Constructed of high-quality 1060 alloy steel. 60RC nominal cutting edge hardness. Electronically induction hardened. Hand honed, precision-aligned cutting surfaces. Diamond-serrated plier jaws for high gripping power. Textured matte non-slip grip*. Jaws rated for ACSR, bolts, nails and most hardened wire. **671-510** features built-in crimping die for insulated and non-insulated terminals. **671-520** features a pulling groove for flat fishtape providing a safe grip and minimized pulling effort. **671-550** for crimping insulated and non-insulated splices, disconnects and wire joints, 22-14 AWG. **671-560** with 4/0 aluminum and 2/0 copper capacity. 1/2" opening.

Cat. No.	Description	Size	Each 1-5	6-11
671-500	Linemans Pliers, NE-style	9"	$21.95	$19.75
671-510	Linemans Pliers, w/Crimp Die	9"	29.95	26.95
671-520	Linemans Pliers, w/Fishtape Puller	9"	24.95	22.45
671-530	Linemans Pliers	8"	17.95	16.16
671-540	Diagonal Cutter	8"	17.95	16.16
671-550	Crimping Pliers, 22-14 AWG	9"	25.95	23.36
671-560	Hi Leverage Cable Cutter	9 1/2"	20.95	18.86

*Not electrically insulated - Do not use on live circuits.



H.K. Porter®
High-Leverage Cable Cutter

Capacity of 4/0 aluminum and 2/0 copper cable. Not designed to cut steel ACSR cable. Overall length 9 1/4".

Cat. No.	Description	Each 1-5	6-11
[illegible]	[illegible]erage Cable Cutter	$25.50	$22.95

JENSEN
Lifetime Guarantee

4-Piece Maintenance Plier Set



➥ **The right pliers for the most commonly encountered jobs**

Quality plier set contains 10" groove-joint, 6" slip-joint, 6" long-nose and 6" diagonal cutter. High quality alloy steel construction. Meets all applicable ANSI specifications. Textured matte non-slip grips*. Includes rugged vinyl roll pouch.

Cat. No.	Description	Each 1-5	6-11
671-400	Maintenance Plier Set, 4pc	$49.95	$44.96

*Not electrically insulated - Do not use on live circuits.



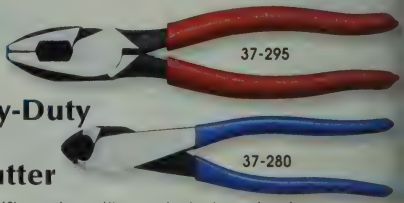
Crescent®

Heavy-Duty Lineman's Pliers

Streamlined head design allows easy removal and insertion into belt loops. Electronically induction-hardened, forged alloy steel. Non-slip cushion grip handles. **66-205** high-leverage lineman's pliers are ideal for utility work, wiring and electrical equipment installation. Built-in 3/4" side cutter. **66-206** diagonal cutters are designed for heavy-duty wire cutting applications. Polished head. 25/32" cut length.

Cat. No.	Description	Length	Each 1-5	6-11
66-205	Lineman's Pliers	9 1/4"	$34.00	$30.60
66-206	Diagonal Cutters	8"	27.75	24.98

"2000 Series" Ultra-Heavy-Duty Lineman's Pliers & Cutter



Lineman's Pliers 46% greater cutting and gripping advantage. Hardened side cutter cuts ACSR, bolts, nails, and most hardened wire.

High Leverage Diagonal Cutter Powerful leverage action has 36% greater cutting advantage. Makes of cutting ACSR, bolts, nails, and most hardened wire easier. Cushioned grips. Cut length 13/16".

Cat. No.	Description	Each 1-5	6-11
37-295	Lineman's Pliers, 9 1/4"	$40.25	$36.23
37-280	Diagonal Cutter, 8"	27.75	24.98

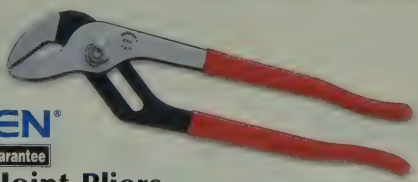


KNIPEX

Cobra® Waterpump Pliers

New generation pliers feature push-button jaw action for fast and firm single-hand adjustment directly on the workpiece. Self-gripping on pipes and fasteners. Pinch guard protects operator's fingers. Jaw design eliminates fastener burring. Constructed of oil hardened chrome-vanadium steel.

Cat. No.	Description	Length	Each 1-5	6-11
232-005	Cobra Pliers	7"	$25.00	$22.50
232-006	Cobra Pliers	10"	28.50	25.65
232-007	Cobra Pliers	12"	40.75	36.68
232-008	Cobra Pliers	16"	63.00	56.70



JENSEN®
Lifetime Guarantee

Groove Joint Pliers

Precision forged tongue and groove design for easy adjustment and superior strength.

Cat. No.	Description	Length	Capacity	Each 1-5	6-11
1-008	Groove Joint Pliers	5"	1/2"	$12.50	$11.25
1-006	Groove Joint Pliers	7"	1 1/4"	11.50	10.35
1-010	Groove Joint Pliers	10"	1 7/8"	13.25	11.93

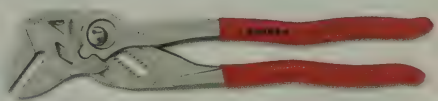


C.K

Utility Pliers (Waterpump)

Drop forged chrome vanadium steel. Parallelogram shaped jaw. Box joint with steel rivet provides superb strength.

Cat. No.	Description	Length	Capacity	Each 1-5	6-11
194-958	Utility Pliers	7"	1/8" - 1"	$19.95	$17.96
194-959	Utility Pliers	10"	3/8" - 1 1/4"	21.00	18.90



KNIPEX

Plier Wrenches

Self-locking tool for gripping, holding and bending. Smooth parallel jaws avoid damage to soft fittings. Unique cam-action ratchet adjusts easily with the touch of a button and provides high leverage. Lever ratio greater than 10-1 for strong gripping. Highest quality chrome vanadium steel.

Cat. No.	Description	Length	Capacity	Each 1-5	6-11
232-001	Plier Wrench	7"	1 3/8"	$52.95	$47.66
232-002	Plier Wrench	10"	1 5/8"	59.95	53.96
232-003	Plier Wrench	12"	2"	74.00	66.60



MILBAR®

Soft Jaw Pliers

➥ **Replaceable jaw inserts**

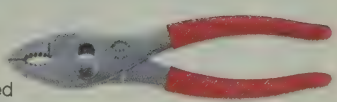
Capacity from 3/4" to 2 1/2". Ideal for circular AN electrical connectors and fittings. Use anywhere you don't want to mar or damage surfaces.

Cat. No.	Description	Each 1-5	6-11
71-045	Soft Jaw Pliers	$25.00	$22.50
71-046	Replacement Inserts (pair)	4.25	3.83

JENSEN®

Slip Joint Pliers

Special drop forged steel, machined and hardened for durability. Nickel chrome-plated with wire cutter.



Cat. No.	Description	Length	Each 1-5	6-11
66-375	Slip Joint Pliers	5"	$9.25	$8.33
66-380	Slip Joint Pliers	6 1/2"	9.75	8.78
66-018	Slip Joint Pliers	8"	11.25	10.13

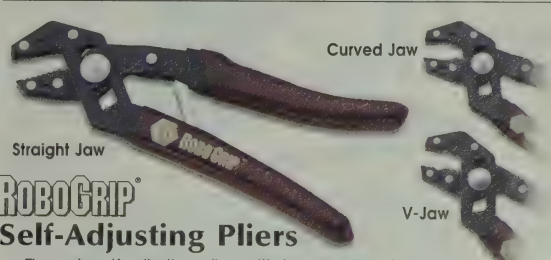


ROBO RCP™ Soft Jaw Pliers

➥ **Standard or 30° angled handle version**

One-handed operation allows the tool to adjust as quickly as your hand can squeeze. Laminate steel construction provides superior strength. Pads protect the connector surface.

Cat. No.	Description	Length	Adjustment	Each 1-5	6-11
78-008	Robo RCP™ Pliers	8"	1/4" - 1 5/8"	$53.00	$47.70
78-009	Robo RCP™ Pliers	9"	1 1/4" - 3"	57.00	51.30
78-0100	30° Offset Connector Pliers	8"	1/4 - 1 5/8"	62.00	55.80
78-0110	30° Offset Connector Pliers	9"	1 1/4 - 3"	66.00	59.40
78-0120	Replacement Pads, Pair	For 8" Tool	-	4.95	4.46
78-0130	Replacement Pads, Pair	For 9" Tool	-	5.95	5.36



ROBOGRIP®

Self-Adjusting Pliers

The only self-adjusting pliers with true one-handed operation. Jaws adjust as quickly as your hands can squeeze, making any job faster and easier. Laminated steel construction provides superior strength. Ergonomic handle design for maximum comfort.

Cat. No.	Description	Length	Jaw Capacity	Each
78-001	RoboGrip Plier, Straight Jaw	7"	3/4"	$21.95
78-002	RoboGrip Plier, Curved Jaw	7"	3/4"	21.95
78-003	RoboGrip Plier, V-Jaw	7"	3/4"	21.95
78-004	RoboGrip Plier, Straight Jaw	9"	1 1/2"	25.95
78-005	RoboGrip Plier, Curved Jaw	9"	1 1/2"	25.95
78-006	RoboGrip Plier, V-Jaw	9"	1 1/2"	25.95

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STANLEY

3-Piece Plier Set

- Three most popular pliers
- Vinyl grips for comfort

Set contains long nose with side cutter, drop forged slip joint with wire cutter and drop forged diagonal cutter.



Cat. No.	Description	Length	Each 1-5	6-11
185-840	Plier Set, 3 pc.	6"	$19.95	$17.95

PROTO® Lifetime Warranty



Mechanic's Pliers

- Plastisol-dipped handles

Pliers are forged steel, precision machined and polished with scored jaws.

Cutters have semi-flush diagonal cut with induction-hardened edges.

Cat. No.	Description	Length	Each 1-5	6-11
66-051	Long Reach Thin Needle Nose Pliers	7"	$18.50	$16.65
66-400	Long Reach Needle Nose Pliers	8"	18.75	16.88
185-006	Diagonal Cutter	6"	17.95	16.16
185-007	Diagonal Cutter	7 3/4"	22.95	20.66



JENSEN® Lifetime Guarantee



Internal & External Retaining Ring Pliers

71-310, 71-320, and **71-012** feature .038" tips. Internal style from .375 to 1" external style from .5 to .875" shaft diameter. Both have return springs. **48-842** is a miniature style with .025" tips. Designed to remove friction grip external snap-rings found in VCRs, fax machines and printers in 2.4mm sizes.

Cat. No.	Description	Each 1-5	6-11
71-310	Internal Style Retaining Ring Pliers	$8.50	$7.65
71-320	External Style Retaining Ring Pliers	8.50	7.65
71-012	Internal/External Styles Retaining Ring Pliers	10.50	9.45
48-842	Miniature Style Retaining Ring Pliers	13.95	12.56

JENSEN® Lifetime Guarantee

by VISE-GRIP® Locking Pliers Kit

Contains the three most popular sizes; 5" curved jaw, 6" long nose and 7" curved jaw in a red Cordura® Plus pouch.



Cat. No.	Description	Each 1-5	6-11
1-131	Locking Pliers Kit, 3 pc.	$42.50	$38.25


131-007


131-120


865-315


865-326



1-132

Locking Pliers

- Lifetime factory warranty

Cat. No.	Description	Length	With Cutter	Each
1-132	Miniature Locking Pliers Set, 3 pc.	–	–	$47.95
131-480*	Curved Jaw	4"	Yes	12.25
865-315	Curved Jaw	5"	Yes	13.25
865-317	Curved Jaw	7"	Yes	14.50
131-105	Curved Jaw	9"	Yes	15.95
131-120	Straight Jaw	7"	No	14.25
131-100	Straight Jaw	9"	No	16.50
131-400*	Long Nose	4"	Yes	14.25
865-326	Long Nose	6"	Yes	16.25
131-109	Long Nose	9"	Yes	21.00
131-010*	Locking Wrench	4"	Yes	15.50
131-007	Bent Nose	6"	Yes	21.00

*Included in kit

MILBAR®



Internal/External Retaining Ring Pliers Set



For internal and external rings from 1/4" to 2" diameter. Includes two pliers handles and eight pairs of tips.

Cat. No.	Description	Each 1-5	6-11
71-444	Internal/External Retaining Ring Pliers Set	$29.95	$26.96

Hi-Tech Internal/External Retaining Ring Pliers Set



Converts from internal to external. Internal sizes from 1/4" (6mm) thru 1" (26mm); external sizes from 1/8" (3mm) thru 1" (26mm). Five color-coded pairs of tips: .023, .036, and .047" straight; .036 and .047" bent 90°.

Cat. No.	Description	Each 1-5	6-11
782-122	Internal/External Retaining Ring Pliers Set	$20.25	$18.23

Original JENSEN® Multi-Tool Kit Designs

You'll find hundreds of uses for these handy, versatile kits. They contain a variety of tools to meet your equipment maintenance needs. Each of these comprehensive kits weighs next to nothing and can easily be carried with the convenient built-in belt loop. All full-size multi-tools will fit our holsters.

See pp. 248-249 for more pocket tool options.



SOG®

Multi-Tool Kit I

Featuring Paratool

Paratool Includes:	
Needle nose pliers w/three gripping surfaces	Awl
Wire cutter	Coarse/fine file
3" straight point knife blade	Measuring scale
3" serrated sheepfoot knife blade	**Additional Items in Kit:**
Flathead screwdrivers (3)	Mini Maglite
#1 Phillips screwdriver	Mini 4-in-1 screwdriver w/two slotted/Phillips bits
Can/bottle opener	Cordura Plus pouch w/belt loop, 6 1/2 x 4 1/2"

Cat. No.	Description	Each 1-4	5-9
1-854	Multi-Tool Kit I, Blue Pouch	$95.00	$87.40
1-854BK	Multi-Tool Kit I, Black Pouch	95.00	87.40
1-854RD	Multi-Tool Kit I, Red Pouch	95.00	87.40
216-854	Pouch only, Blue	13.00	11.96
216-854BK	Pouch only, Black	13.00	11.96
216-854RD	Pouch only, Red	13.00	11.96



GERBER LEGENDARY BLADES

Multi-Tool Kit II

Featuring Multi-Lock

Multi-Lock Includes:	Additional Items in Kit:
Blunt nose pliers w/cutter	5/16-1/2", 1/4" drive sockets (9)
File	1/4" hex bits, two slotted & two Phillips
Serrated sheepfoot knife blade	3" extension
Flathead screwdrivers (3)	1/4" hex to 1/4" square adapter
#1 Phillips screwdriver	1/4" hex mini ratchet
Drop point blade	Mini Maglite
Can/bottle opener	Cordura Plus pouch w/belt loop, 6 1/2 x 4 1/2"
Ruler, inch/metric	

Cat. No.	Description	Each 1-4	5-9
1-365BL	Multi-Tool Kit II, Blue Pouch	$99.00	$91.08
1-365BK	Multi-Tool Kit II, Black Pouch	99.00	91.08
1-365RD	Multi-Tool Kit II, Red Pouch	99.00	91.08
1-365MRD	Multi-Tool Kit II, Metric, Red Pouch	99.00	91.08
216-365NV	Pouch only, Blue	13.00	11.96
216-365BK	Pouch only, Black	13.00	11.96
216-365	Pouch only, Red	13.00	11.96



LEATHERMAN

Multi-Tool Kit III

Featuring Super Tool

Super Tool Includes:	
Needle nose pliers	Wire stripper
Regular pliers w/wire cutter	Awl punch
Clip point & serrated knife blades	**Additional Items in Kit:**
Wood/bone saw	Leatherman Tool adapter for 1/4" hex drive bits
Metal/wood file	Hex drive bits (6)
9" ruler	Mini Maglite
Can/bottle opener	Cordura Plus pouch w/belt loop, 6 1/2 x 3"
Screwdriver blades (4)	

Cat. No.	Description	Each 1-4	5-9
1-228BK	Multi-Tool Kit III, Black Pouch	$109.00	$100.28
216-228	Pouch only, Black	11.00	10.12



Crescent®

Multi-Tool Kit IV Electrician's Kit

Featuring ToolZall Electrician

ToolZall Includes:	
Wire stripper (20-10AWG)	Flat-head screwdrivers (3)
Wire cutter	Phillips screwdriver
Wire bender	English and metric rules
Awl	Metal and wood files
Can opener and bottle opener	**Additional Items in Kit:**
Serrated drop point knife	Mini-4-in-1 screwdriver w/two Slotted/Phillips bits
Mini-Maglite flashlight	Cordura Plus pouch w/belt loop, 6 1/2 x 4 1/2"
Needle-nose pliers	

Cat. No.	Description	Each 1-4	5-9
1-350BK	Multi-Tool Kit IV, Black Pouch	$99.00	$91.08
3-350	Crescent ToolZall Electrician Tool only	59.00	–
216-854BK	Pouch only, Black	13.00	11.96

LEATHERMAN®

Multi-Function Pocket Tools

Leatherman pocket tools rank among the finest in the world due to rigorous design tolerances and attention to detail. Highest quality stainless-steel construction. Each tool is carefully finished to ensure smooth operation and corrosion resistance. Individual components are heat-treated to appropriate hardness for their specific use. Precision ground slotted screwdrivers and proprietary-design Phillips-type screwdrivers modified to fit both #1 and #2 fasteners. 25-year manufacturer's warranty. **See our feature guide on p. 249 to find the tool that meets your specific needs.**

†**228-650** Tool Adapter™ (also included in 228-301 combo). To attach, insert between handles and squeeze handles closed for secure driving of all 1/4" hex drive bits. Straight, 45 and 90-degree lock positions. Includes adapter, #0, #3 Phillips, #1, #2 Robertson (square) T-15 Torx®, #8-10 Slotted bits and clip-on carrying case. Fits PST, PST-II, Super Tool, SideClip, & Pulse.



Leatherman PST Survival Tool
Open-Closed: 6 1/4" - 4"
Features: (1), (2), (6), (13), (14), (16), (18), (19), (22 w/#1), (23 x3), (25), (27)

Cat. No.	Each 1-5	6-11
228-610	49.95	44.96



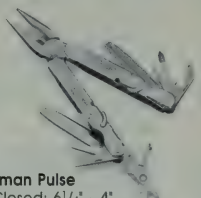
Leatherman PST-II Survival Tool
Open-Closed: 6 1/4" - 4"
Features: (4), (6), (10), (11), (14), (16), (18), (19), (21), (22 w/#1), (23 x3), (25), (27)

Cat. No.	Each 1-5	6-11
228-611	55.00	49.50



Leatherman Mini-Tool
Open-Closed: 6 1/4" - 2 1/2"
Features: (2), (6), (13), (14), (16), (18), (19), (23), (27)

Cat. No.	Each 1-5	6-11
228-620	42.00	37.80



Leatherman Pulse
Open-Closed: 6 1/4" - 4"
Features: (2), (6), (10), (11), (14), (15), (16), (18), (19), (21), (22 w/#1), (23 x3), (24), (27)

Cat. No.	Each 1-5	6-11
228-690	64.00	57.60



Leatherman Micra Tool
Open-Closed: 4" - 2 1/2"
Features: (2), (12), (15), (19), (21), (22 w/#1), (23 x2), (26)

Cat. No.	Each 1-5	6-11
228-640	26.95	24.26



Leatherman Tool Adapter†
3 1/4" Long

Cat. No.	Each 1-5	6-11
228-650	26.95	24.26



Leatherman SideClip Survival Tool
Open-Closed: 6 1/4" - 4"
Features: (2), (5), (6), (7), (14), (15), (16), (18), (19), (22 w/#1), (23 x3), (27)

Cat. No.	Each 1-5	6-11
228-660	44.00	39.60



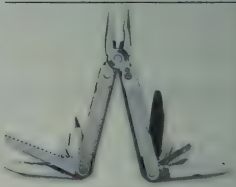
Leatherman Wave
Open-Closed: 6 1/4" - 4"
Features: (4), (6), (13), (14), (15), (16), (18), (20), (21), (22 w/#1), (23 x4), (25), (27), (28)

Cat. No.	Each 1-5	6-11
228-670	98.00	88.20



Leatherman Crunch
Open-Closed: 6 1/4" - 4"
Features: (3), (5), (9), (13), (14), (15), (17), (19), (22 w/#1), (23 x3), (25), (27), (28)

Cat. No.	Each 1-5	6-11
228-680	98.00	88.20



Leatherman Super Tool
Open-Closed: 7" - 4 1/2"
Features: (1), (2), (3), (6), (8), (13), (14), (16), (18), (19), (20), (22 w/#1), (23 x3), (25), (27), (28)

Cat. No.	Each 1-4	5-11
228-630	69.95	62.96

Leatherman Combo (228-630 and 228-650)

Cat. No.	Each 1-5	6-11
228-301	95.00	85.50

SOG®

Multi-Purpose Tools

- Factory lifetime warranty
- Stainless steel construction

SOG multi-purpose tools combine design creativity, traditional hand craftsmanship with the strongest steels and finest materials. Well balanced tools with a precision feel, ideal for professional servicemen



SOG Paratool
Open-Closed: 6 3/8" - 4"
Features: (1), (2), (3), (4), (6 x2), (7), (9), (10), (11), (14), (17), (18 x3), (20)

Cat. No.	Each 1-5	6-11
854-031	$66.00	$59.40



SOG Power Plier
Open-Closed: 6 3/4" - 4 1/4"
Features: (1), (2), (3), (4), (5), (6 x3), (8), (9), (12), (14), (15), (17 x2), (18 x3), (19), (20)

Cat. No.	Each 1-5	6-11
854-038	71.00	63.90



SOG PowerLock Multi-Purpose Tool
Open-Closed: 4 5/8" - 7"
Features: (2), (3), (4), (6), (9), (10), (13), (14), (15), (16), (17), (18 x3), (20), (21)

Cat. No.	Each 1-4	5-11
854-060	75.00	67.50

GERBER LEGENDARY BLADES

Multi-Function Pocket Tools

Finest-quality stainless steel construction. One-handed opening locks the plier head with a simple flick of the wrist. Components lock securely and release easily with slide lever. Independent tool rotation allows access to one tool without others following it out. Smooth non-pinching handles.



Gerber Compact Sport Multi-Plier
Open-Closed: 4 1/2" - 5 3/4"
Features: (5), (7), (8), (12), (14), (15 w/#1), (16 x3), (17)

Cat. No.	Each 1-5	6-11
51-400	52.00	46.80



Multi-Plier 800 Legend™
Open-Closed: 6 5/8" - 5 1/8"
Features: Textured grips, tungsten-carbide steel cutting inserts and replaceable RemGrit® saw blade. (5), (7), (9), (12), (15 w/#1), (16 x3), (17), (18)

Cat. No.	Each 1-5	6-11
51-804	$93.00	$83.70



Gerber Multi-Lock, Needle Nose
Open-Closed: 6 1/2" - 5"
Features: (5), (6), (7), (8), (9), (10), (12), (13), (14), (15 w/#1), (16 x3), (17)

Cat. No.	Each 1-5	6-11
51-003	69.00	62.10

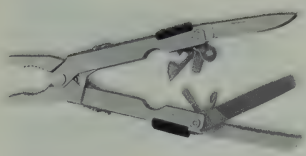
Gerber Tool Kit, Upgrade
For all Multi-Lock tools
Features: (1), (2), (3 x3), (4 x3), (13)

Cat. No.	Each 1-5	6-11
51-201	22.00	19.80



Gerber Multi-Lock Tool Kit, Blunt Nose
Open-Closed: 6 1/2" - 5"
Features: (1), (2), (3 x3), (4 x3), (5), (6), (7), (8), (9), (10), (11), (13), (14), (15 w/#1), (16 x3), (17)

Cat. No.	Each 1-5	6-11
51-251	79.00	71.10



Gerber Multi-Lock, Blunt Nose
Open-Closed: 6 1/2" - 5"
Features: (5), (6), (7), (8), (9), (10), (11), (13), (14), (15 w/#1), (16 x3), (17)

Cat. No.	Each 1-5	6-11
51-801	$69.00	$62.10

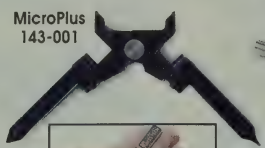
SWISS-TECH™ Micro Tools

➥ **Lifetime manufacturer's warranty**

143-001 MicroPlus: Patented design tool folds and locks on any key ring. Includes pliers, 2 Phillips screwdrivers, 2 slotted screwdrivers and wire cutter/stripper. 4140 hardened tool steel. Presentation box. 1 x 1 7/8 x 1/4".

143-002 Screwz-All: Four precision screwdrivers: micro slotted and Phillips and standard slotted and Phillips. Stainless detachable key clip. 4650 tool steel. 3 5/16 x 7/8 x 5/8", 1.0 oz.

143-003 Utili-Key UST: The lightest, most compact multi-tool ever built. 2 3/4" folded size, about the size of a standard car key. Includes knife blade, serrated cutting surface, micro Phillips screwdriver, eyeglass screwdriver, #1 slotted screwdriver and bottle opener. Self locking to any key ring. 420 stainless steel with silver finish. 0.5 oz













Cat. No.	Description	Each 1-5	6-11
143-001	MicroPlus Micro Tool	$24.95	$22.46
143-002	Screwz-All Micro Tool	12.95	11.66
143-003	Utili-Key UST Micro Tool	19.95	17.96

Feature Guide

Leatherman Multi-Function Pocket Tools

(1) Awl/Punch
(2) Blade, Clip/Drop Point
(3) Blade, Serrated
(4) Blade, Straight/Serrated
(5) Bottle Opener
(6) Can/Bottle Opener
(7) Clip
(8) Crimper
(9) Driver, Hex Bit
(10) File, Cross-Cut
(11) File, Diamond-Coated
(12) File, Nail
(13) File, Wood/Metal
(14) Hard Wire Cutter
(15) Lanyard Hole
(16) Pliers, Gripping
(17) Pliers, Locking
(18) Pliers, Needle Nose
(19) Rule Inch/Metric
(20) Saw
(21) Scissors
(22) Screwdriver, Phillips
(23) Screwdriver, Slotted
(24) Sharpening Stone
(25) Sheath, Leather
(26) Tweezers
(27) Wire Cutter
(28) Wire Stripper

Gerber Multi-Function Pocket Tools

(1) Bit Coupler, 1/4"
(2) Bit Holder
(3) Bit, Phillips
(4) Bit, Slotted
(5) Blade, Clip/Drop Point
(6) Blade, Serrated
(7) Can/Bottle Opener
(8) Crimper
(9) File
(10) Lanyard Hole
(11) Pliers, Blunt Nose
(12) Pliers, Needle Nose
(13) Pouch, Nylon
(14) Rule
(15) Screwdriver, Phillips
(16) Screwdriver, Slotted
(17) Wire Cutter
(18) Scissors

SOG® Multi-Purpose Tools

(1) Awl
(2) Blade, Drop Point
(3) Blade, Serrated
(4) Can/Bottle Opener
(5) Chisel
(6) File, Wood/Metal
(7) Lanyard
(8) Pliers, Blunt Nose
(9) Pliers, Gripping
(10) Pliers, Needle Nose
(11) Pouch, Nylon
(12) Pouch, Cordura®
(13) Pouch, Leather
(14) Rule, Inch/Centimeter
(15) Saw, Double Tooth
(16) Scissors
(17) Screwdriver, Phillips
(18) Screwdriver, Slotted
(19) Square Drive
(20) Wire Cutter
(21) 1/4" Hex Driver

GERBER LEGENDARY BLADES

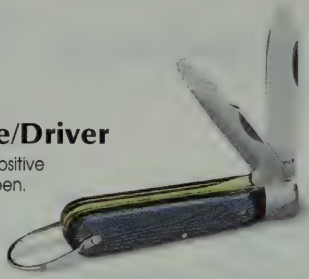


Chameleon II™ Lock-Back Folding Knife

Revolutionary-design SAF.TGRIP™ system with open pivot allows for a grip that is comfortable and secure. Finger cavity reduces possibility of slippage or loss. Ergo grip reflects the natural position of your hand. 3" smooth stainless steel blade. Glass-filled nylon handle. Includes nylon sheath. Lifetime manufacturer's warranty.

Cat. No.	Description	Open-Closed	Each 1-5	6-11
51-020	Chameleon II Knife	7 - 4 1/4"	$41.00	$36.90

JENSEN® Lifetime Guarantee



Electrician's Knife/Driver

A knife and a screwdriver. Positive lock holds screwdriver blade open. Blade has edge for scraping insulation. 2 3/4" carbon steel blades. Optional top grain cowhide **Knife Sheath**.

Cat. No.	Description	Open-Closed	Each 1-5	6-11
59-929	Electrician's Knife/Driver	6 1/2" - 3 3/4"	$14.95	$13.46
224-344	Leather Knife Sheath	–	4.95	4.46



STANLEY

Locking Blade Pocket-Clip Knives

Easily clip to your pocket or tool belt. Quick one-handed opening and lightweight but durable aluminum handles. Stainless pocket-clip and fasteners. Soft rubber handle inserts. 3 1/2" tempered stainless-steel blade. 4 3/4" length closed.

Cat. No.	Description	Blade	Each 1-5	6-11
248-003	Locking Blade Pocket-Clip Knife	Serrated	$31.00	$27.90
248-004	Locking Blade Pocket-Clip Knife	Smooth	31.00	27.90



STANLEY

Folding Electrician's Knife

Folds to pocket size. Tempered stainless-steel blade. Lightweight, impact-resistant, long-lasting ABS handles. Two sizes of wire strippers. 3 1/2" blade.

Cat. No.	Description	Open-Closed	Each 1-5	6-11
248-002	Folding Electrician's Knife	7 3/8 - 4 1/8"	$12.50	$11.25

GERBER LEGENDARY BLADES



Gator® Lock-Back Folding Knife

Heavy-duty construction. Comfortable, contoured Kraton® covered non-slip handle. Includes ballistic cloth sheath. 8 3/4" overall length with 3 3/4" long, 0.125" thick stainless-steel blade. 5 oz. Lifetime manufacturer's warranty.

Cat. No.	Description	Each 1-5	6-11
51-069	Gator Lock-Back Folding Knife	$46.00	$41.40



STANLEY

Key Chain Knife/Light

Designed for convenience and long life. Features a push-button activated LED "solid-state" penlight with replaceable battery. 2 1/16" stainless-steel locking blade. Aluminum handle. Knife opens with one hand. 2 3/4" length closed.

Cat. No.	Description	Each 1-5	6-11
248-005	Key Chain Knife/Light	$14.50	$13.05



STANLEY

MaxEdge™ SL1 Locking-Blade Knife

Quality 440 stainless-steel high-strength construction. Hand fit and finished. Dupont Delrin® wear resistant handles. Nickel silver bolsters. Solid brass liners. Includes reinforced nylon belt sheath. 5" closed length 3 5/8" blade. Lifetime manufacturer's warranty.

Cat. No.	Description	Each 1-5	6-11
248-001	MaxEdge SL1 Locking-Blade Knife	$39.00	$35.10



COLONIAL Knife Company

Expedition-series Locking-Blade Knives

Rugged general-purpose knives feature stainless-steel blades and lightweight "skeletonized" aluminum handles. Unique frame locking mechanism is reliable and easy to release one-handed. One-hand deployment. Smooth/serrated blade. Belt/pocket clip.

Cat. No.	Description	Open-Closed	Each 1-5	6-11
540-100	Expedition Knife, Large	7 1/2 - 4 1/2"	$19.50	$17.55
540-200	Expedition Knife, Small	6 - 3 1/2"	18.00	16.20

Super MityLite®/ PeliKnife™ Bonus Pack



Features super-bright 6000 candlepower xenon lamp. FM, CSA and non-incendive CENELEC approved. PeliKnife lock-back knife with 1 7/8" hollow ground stainless-steel blade. Strong, lightweight composite handle with key chain ring. Includes two AAA batteries.

Cat. No.	Description	Each 1-5	6-11
432-980	Super MityLite/PeliKnife Bonus Pack	$19.50	$17.55

For replacement batteries, see page 311



VICTORINOX®
THE ORIGINAL SWISS ARMY™ KNIFE

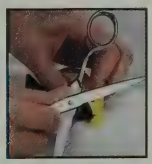
Electrician's Cable Stripping Knife

➥ Lifetime factory warranty ➥ Stainless steel construction

Comfortable, sure-handed ribbed grips. Features 2 1/2" straight blade, electrician's blade with cable stripping notch, large screwdriver with bottle opener and wire stripping notch, plus a reamer/punch blade. 3 oz.

Cat. No.	Description	Open-Closed	Each 1-5	6-11
264-781	Electrician's Cable Stripping Knife	6 1/8" - 3 5/8"	$25.00	$22.50

Knife and Scissors Sharpener



➥ 3 or 4 Strokes for a Razor Sharp Edge!

Easy to use, and effectively sharpens both sides of the blade at the same time. Can be used on electrician's scissors, pocket knives, retractable-blade utility knives, razor blade knives, serrated knives and more. Built-in finger guard. Lightweight, compact size for easy carrying and storage.



Part No.	Description	Price
409-975	Knife & Scissors Sharpener	$13.20

Fold-out Pocket Tool Sets

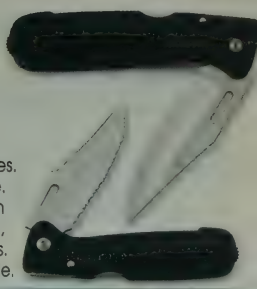


304-001

Features full-size open-end wrenches. Individual components are constructed of high-carbon steel, tempered to a specific Rockwell hardness and nickel plated. 0.070 cold rolled steel handle with a super-tough industrial quality black powder-coat finish. Includes 1/4, 1/8" slotted and #1 Phillips screwdrivers and 3/16" scratch awl. Fractional version includes 3/8, 7/16, 1/2, 9/16 and 5/8" wrenches. Metric version includes 10, 12, 13, 14, 15mm wrenches.

Cat. No.	Description	Each 1-5	6-11
304-001	Fold-out Pocket Tool Set, Fractional	$15.00	$13.50
304-002	Fold-out Pocket Tool Set, Metric	15.00	13.50

SOG®
AutoClip®



➥ Stainless steel blade
➥ Available straight or serrated

A whole new concept in folding knives. Fast opening, lightweight and affordable. Features the patented adjustable tension mounting clip for various belt thicknesses, solving the problem of conventional clips. One hand opening operation. Locking blade.

Cat. No.	Description	Blade	Open	Each 1-5	6-11
854-036	AutoClip	Smooth	8 1/4"	$39.50	$35.55
854-036S	AutoClip	Serrated	8 1/4"	39.50	35.55
854-039	Mini AutoClip	Smooth	6 3/4"	32.50	29.25
854-039S	Mini AutoClip	Serrated	6 3/4"	32.50	29.25



BUCK®
Model 110 Folding Hunter® Lockback Knife

An all-time classic, the 110 features solid brass bolsters and liners and natural woodgrain handle. 3 3/4" clip blade. 4 7/8" closed. Includes black leather belt sheath. Lifetime factory warranty.

Cat. No.	Description	Each 1-5	6-11
355-001	Model 110 Lockback Knife	$56.00	$50.40



BUCK®
Odyssey® I-HCS Locking Liner Knife

Bold, styling and exceptionally smooth one-hand opening action. 3 7/8" smooth 420HC steel blade. Textured thermoplastic handle with metal backbone for added strength. Metal pocket clip. 4 1/2" closed. Lifetime factory warranty.

Cat. No.	Description	Each 1-5	6-11
355-002	Odyssey I-HCS Locking Liner Knife	$45.00	$40.50



BUCK®
Stockman® Traditional Pocket Knife

Classic three-blade black handle pocket knife features clip, spey and sheepsfoot blades. High polished bolsters and quality steel liner. 3 7/8" closed length. Lifetime factory warranty.

Cat. No.	Description	Each 1-5	6-11
355-003	Stockman Traditional Pocket Knife	$39.00	$35.10

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



STANLEY

Utility Knives

➥ **3-way retractable blades**

185-999 features a die-cast aluminum body that stores extra blades and swivels open for fast, easy blade change.
185-499 offers an aluminum body with flip-down rear compartment to store extra blades, eliminating need to take handle apart to replace.
185-099 has a blade-storing, lightweight, die-cast aluminum body.
185-175 has a half-zinc, half-plastic body with interlocking nosepiece to prevent spreading.

Cat. No.	Description	Each 1-5	6-11
185-999	Swivel-Lock Utility Knife	$6.00	$5.40
185-499	Quick Change Utility Knife	5.00	4.50
185-099	Model 99 Utility Knife	3.50	3.15
185-175	Economy Utility Knife	3.10	2.79
185-921	Heavy-Duty Replacement Blades, 5/pk.	1.75	1.58
185-961	Hook Replacement Blades, 5/pk.	2.50	2.25

x-acto

Knife Chest

Includes light-duty knife, medium-duty knife, heavy-duty knife with aluminum handle plus an assortment of 14 extra blades in wooden chest



Cat. No.	Description	Each 1-5	6-11
68-083	Knife Chest	$29.00	$26.10

Precision Knife Set

Includes light-duty knife, medium-duty knife and heavy-duty knife with plastic handle plus an assortment of 10 extra blades in plastic case



Cat. No.	Description	Each 1-5	6-11
68-081	Precision Knife Set	$13.50	$12.15

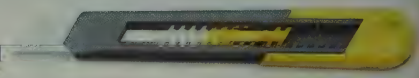


STANLEY

SportUtility™ Knife

Utility knife and folding blade in one handy tool. Features 420 stainless-steel folding lock back blade with thumb stud for one-handed opening. Retractable utility knife. Comfortable rubber grip. Includes nylon belt sheath and three utility blades.

Cat. No.	Description	Each 1-5	6-11
865-8100	SportUtility Knife	$15.95	$14.36



STANLEY

Quickpoint Snap-Blade Knives

➥ **Reinforced plastic body** ➥ **Locking slide**
➥ **13 points on knife blade**

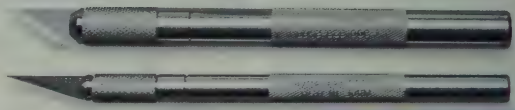
Cat. No.	Description	Each 1-5	6-11
185-300	Quickpoint Knife	$2.95	$2.66
185-310	Replacement Blades, 3/pk.	1.50	1.35



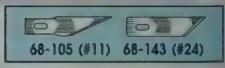
Razor Scraper

Single edge heavy-duty .009" thick high carbon steel blades. Includes 5 blades.

Cat. No.	Description	Each 1-5	6-11
185-500	Scraper	$2.95	$2.66
185-115	Replacement Blades, 100/pk.	5.50	4.95



Precision Knives



Surgically sharp knives with interchangeable blades for a variety of cutting tasks.

Cat. No.	Description	Each 1-5	6-11
68-101	Light-Duty Knife	$3.25	$2.93
68-105-100	#11 Replacement Blade, 100/pk.	15.00	13.50
68-137	Medium-Duty Knife	4.95	4.46
68-143-100	#24 Replacement Blade, 100/pk.	16.00	14.40



x-acto

Push-Button Knife

Blade is kept safely hidden when knife is not in use. Snap it out and it's ready to cut. All metal. Positive lock. Very light. For delicate, accurate cutting.

Cat. No.	Description	Each 1-5	6-11
68-183	Push-Button Knife	$9.25	$8.33
68-185	Replacement Blades, 5/pk.	6.95	6.26

JENSEN
Lifetime Guarantee

Adjustable Wrenches



➥ Cushion grip handles

These top quality adjustable wrenches are made of high strength alloy steel which meet or exceed federal specifications.

Cat. No.	Description	Length	Max Jaw Opening	Each 1-5	6-11
1-468	Wrench Set, (4", 6", 8")		–	$39.00	$35.10
129-444	Adjustable Wrench	4"	9/16"	12.95	11.66
129-666	Adjustable Wrench	6"	13/16"	13.95	12.56
129-888	Adjustable Wrench	8"	1"	14.95	13.46
129-100	Adjustable Wrench	10"	1 3/16"	19.95	17.96
129-120	Adjustable Wrench	12"	1 3/8"	25.95	23.36

PROTO
Lifetime Warranty

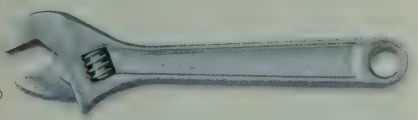


CLIK-STOP®
Auto-Locking Adjustable Wrenches

➥ Wide jaw design ➥ Meets federal/ANSI specifications

Exclusive CLIK-STOP feature automatically locks the movable jaw at any opening selected. The more pressure applied to the wrench, the tighter the jaw locks. When pressure is released the knurl turns freely.

Cat. No.	Description	Length	Max Jaw Opening	Each 1-5	6-11
185-104	Clik-Stop Wrench	4"	1/2"	$14.95	$13.46
185-106	Clik-Stop Wrench	6"	15/16"	15.95	14.36
185-108	Clik-Stop Wrench	8"	1 1/8"	18.25	16.43
185-100	Clik-Stop Wrench	10"	1 5/16"	21.95	19.76
185-120	Clik-Stop Wrench	12"	1 1/2"	27.95	25.16



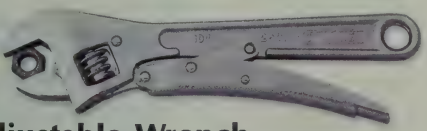
Crescent®
Wide Jaw Adjustable Wrenches

➥ Lifetime factory guarantee ➥ One-hand adjustment

Chrome-plated wrenches exceed all federal specifications.

Cat. No.	Description	Length	Max Jaw Opening	Each 1-5	6-11
66-320	Wide Jaw Adj. Wrench	6"	15/16"	$13.50	$12.15
66-325	Wide Jaw Adj. Wrench	8"	1 1/16"	16.00	14.40
66-305	Wide Jaw Adj. Wrench	10"	1 5/16"	19.95	17.96
66-310	Wide Jaw Adj. Wrench	12"	1 7/16"	28.00	25.20

STANLEY



MaxGrip™
Locking Adjustable Wrench

Unique design features two tools in one: traditional adjustable wrench and locking plier. Heavy-duty jaws grips fastener tight minimizing slippage. Great for loosening stubborn fasteners. Forged body exceeds ANSI standards for torque.

Cat. No.	Description	Length	Each 1-5	6-11
365-610	MaxGrip Locking Adjustable Wrench	10"	$23.00	$20.70



STANLEY

Combination Wrench Sets

➥ Inch and metric Sets

185-448: 3/8 through 1" in 1/16" increments. **185-452:** 3/8 through 1 1/4" in 1/16" increments (exception - no 1 3/16" size). **185-451:** 7 through 18mm in 1mm increments (exception - no 16mm size). **185-447:** 6 through 22mm in 1mm increments. All sets include vinyl storage pouch.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
185-448	85-450 Combination Wrench Set, Inch, 11 pc.	$75.00	$67.50
185-452	85-452 Combination Wrench Set, Inch, 14 pc.	109.00	98.10
185-451	85-451 Combination Wrench Set, Metric, 11 pc.	55.00	49.50
185-447	85-447 Combination Wrench Set, Metric, 17 pc.	95.00	85.50

JENSEN
Lifetime Guarantee



Midget Open End Wrench Sets

➥ Inch or metric

Open-end precision forged wrenches with both 15° and 60° head angles for ease of use.
Inch Set includes sizes 13/64, 7/32, 15/64, 1/4, 9/32, 5/16, 11/32, and 3/8".
Metric Set includes sizes 4, 4.5, 5, 5.5, 6, 7, 8, and 9mm.
Both sets supplied in vinyl roll pouches.

Cat. No.	Description	Each 1-5	6-11
461-180	Midget Open End Wrench Set, Inch, 8 pc.	$17.50	$15.75
461-050	Midget Open End Wrench Set, Metric, 8 pc.	19.50	17.55



Miniature Combination Wrench Sets

➥ Inch or metric

Perfect for the miniature fasteners found in electronic and mechanical components. Made of heat treated and chrome-plated high alloy steel in durable vinyl pouch. **Inch Set:** 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32 and 3/8". **Metric Set:** 4, 5, 5.5, 6, 7, 8 and 9mm.

Cat. No.	Description	Each 1-5	6-11
461-001	Mini. Comb. Wrench Set, Metric, 7 pc.	$29.95	$26.96
461-100	Mini. Comb. Wrench Set, Inch, 9 pc.	37.95	34.16

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



JENSEN
Lifetime Guarantee

1/4" Drive Inch/Metric Socket Set

➥ **Standard and deep sockets**

Contains 1/4" drive, quick-release ratchet, 3" extension, 6 deep sockets, 6 pt.: 1/4, 9/32, 5/16, 11/32, 3/8, 7/16"; 10 each standard length, 6 pt. sockets: 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"; 10 each metric sockets, standard length, 6 pt.: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13mm. Molded plastic case.

Cat. No.	Description	Each 1-5	6-11
185-227	1/4" Drive Inch/Metric Socket Set, 28 pc.	$45.00	$40.50



JENSEN
Lifetime Guarantee

1/4 - 3/8" Drive Socket Set

Quality, comprehensive set at an economical price. Includes 3/8" drive ratchet, 3" and 6" long 3/8" drive extensions, 1/4" drive spinner handle, seven 3/8" drive 12 pt. sockets (3/8 to 3/4"), three 1/4" drive 8 pt. sockets (1/4, 5/16, 3/8"), six 1/4" drive 6 pt. sockets (3/16 to 11/32"), 3/8" drive (5/8") spark plug socket, 3/8" drive to 1/4" drive adapter, metal storage box with positive latch.

Cat. No.	Description	Each 1-5	6-11
997-038	1/4-3/8" Drive Inch Socket Set, 23 pc.	$49.00	$44.10



STANLEY

1/2" Drive Socket Set

Includes 6-point sockets 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 12-point sockets 3/4, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4, 1/2" drive reversible ratchet, 5" extension, hinge handle and molded case.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
185-425	85-424 1/2" Drive Socket Set, 17 pc.	$69.00	$62.10



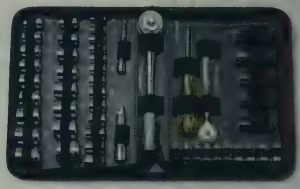
JENSEN
Lifetime Guarantee

1/4" Drive Socket Sets

➥ **Quick-release ratchet**
➥ **Inch or metric sets**
➥ **NSN: 5120-01-119-2569**

Fine quality sets of chrome plated steel. Feature a 5 1/2" quick release ratchet driver, 6" spinner handle, 3" and 6" extensions. Inch set includes 9 sockets (3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2") in handy vinyl boot. Metric set includes 9 sockets (4, 5, 6, 7, 8, 9, 10, 11, 12mm). Steel box with positive latch with each set.

Cat. No.	Description	Each 1-5	6-11
354-105	1/4" Drive Inch Socket Set, 14 pc.	$29.95	$26.96
354-814	1/4" Drive Metric Socket Set, 14 pc.	31.00	27.90



STANLEY

1/4 - 3/8" Drive Combination Socket Set

1/4" Drive: 6-point sockets (5/32-3/16"), 12-point sockets (7/32-1/2"), 6-point metric sockets (4-6mm), 12-point metric sockets (7-13mm), reversible ratchet, socket driver, 3" extension.
3/8" Drive: 12-point sockets (3/8-13/16"), 6-point sockets (1/4-3/8"), 12-point deep sockets (3/8-5/8"), 12-point metric sockets (10-19mm), reversible ratchet, 3" extension. Vinyl zipper storage pouch.

Cat. No.	Mfr.No./Description	Each 1-5	6-11
185-439	85-439 1/4-3/8" Drive Combo Socket Set, 50 pc.	$79.00	$71.10

STANLEY

82-Piece Inch/Metric Socket Set

1/4" Drive Sockets
12-Point (3/16-1/2")
6-Point (5/32-1/2")
6-Point Deep (1/4-5/16")
6-Point Metric (4-6mm)
12-Point Metric (7-13mm)
Ratchet

3/8" Drive Sockets
6-Point (3/8-13/16")
12-Point (3/8-13/16)
12-Point Deep (3/8-9/16")
6-Point Metric (9-19mm)
12-Point Metric (9-19mm)
6-Point Spark Plug (5/8")
Ratchet, 3" Extensions

1/2" Drive Sockets
12-Point (1/2-13/16")
Ratchet



Cat. No.	Mfr. No./Description	Each 1-5	6-11
185-440	85-440 Inch/Metric Socket Set, 82 pc.	$99.00	$89.10



STANLEY

118-Piece Socket and Wrench Tool Set

1/4" Drive Sockets
6-Point (5/32 - 1/2")
12-Point (3/16-1/2")
6-Point Deep (1/4-1/2")
6-Point Metric (4-13mm)
6-Point Metric (7-13mm)
Ratchet, 3" Extension, Bit holder
Socket Driver

3/8" Drive Sockets
12-Point (3/8-13/16")
12-Point Deep (3/8-11/16")
6-Point Metric (9-19mm)
12-Point Metric (9-19mm)
6-Point Deep Metric (10-15mm)
6-Point Spark Plug (5/8")

8-Point (1/4-1/2")
Ratchet, 3 and 6" Extensions

1/2" Drive Sockets
12-Point (7/16-13/16")
Ratchet
2 1/2" Extension

Wrenches
Combination (3/8-5/8")

Additional Tools
Slotted 1/4" Hex Bits (5/32, 3/16, 7/32")
Phillips 1/4" Hex Bits (#1, #2)
Torx* 1/4" Hex Bits (T10 - T30)
*Torx® is a registered trademark of Textron

Cat. No.	Mfr. No./Description	Each 1-5	6-11
185-361	85-003 Socket and Wrench Set, 118 pc.	$139.00	$125.10



287-002

287-001

STUARTEVANT RICHMONT

Adjustable Torque Screwdrivers

➥ Includes NIST traceable calibration certificate

Both drivers accept standard 1/4" hex bits. Right and left-hand rotation. Clutch releases automatically without backlash - cannot over torque. Meets or exceeds ASME B107.14M and ISO 6789 specifications.

287-001 ExacTorq™ features twist-dial adjustment with positive locking detent to secure selected torque. Tri-lobe handle for increased leverage. 1/4" hex drive bits sold separately.

287-002 29pc Torque Screwdriver Kit features fold-down adjustment key for rapid torque change, or can be preset and locked for use in production. Kit includes torque screwdriver, five hex bits 5/64-9/64", two Posidriv #1-2, five slotted 0-1 through 12-14, four Phillips #0-3, six Torx T10-T40, four square recess #0-3, 1/4" bitholder extension and 1/4" socket adapter in blow-molded case.

Cat. No.	Description	Range	Increments	Each
287-001	Torque Screwdriver	20-100 in. oz.	1 in. oz.	$179.00
287-002	Torque Screwdriver Kit, 29 pc.	2-36 in. lbs.	2 in. lbs.	205.00



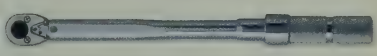
Utica®
Micro-Adjustable Torque Screwdrivers

➥ Torque left or right

The most reliable means for tightening small threaded fasteners. When pre-set torque is reached, the screwdriver goes into freewheeling condition to prevent further torquing of the fastener. Calibrated micrometer scale with spring-loaded locking mechanism assures screwdriver stays set at the desired reading.

Cat. No.	Range	Increments	Drive	Length	Each
281-100	20-100 in. oz.	2 in. oz.	1/4"	6 3/4"	$197.00
281-003	6-30 in. lb.	1 in. lb.	1/4"	11"	197.00

PROTO
Lifetime Warranty



Micrometer Torque Wrenches

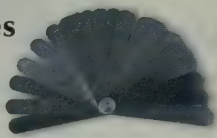
➥ Inch and foot pound ➥ Ratchet head
➥ Includes protective blow-molded box

Wrenches are calibrated to ±4% of torque reading clockwise and ±6% counterclockwise at 20% to 100% of full scale.

Cat. No.	Range	Increments	Drive	Length	Each
185-6062	40-200 in. lb.	1 in. lb.	1/4"	11 1/4"	$170.00
185-6064	40-200 in. lb.	1 in. lb.	3/8"	11 1/4"	165.00
185-6012	20-100 ft. lb.	1/2 ft. lb.	3/8"	16 7/16"	145.00
185-6014	50-250 ft. lb.	1 ft. lb.	1/2"	26 1/4"	175.00

Meets Federal Specs (GGG-W-00686c)

JENSEN® Feeler Gauges

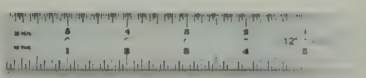


➥ Inch/metric markings

Pen knife blades may be used in or out of the holder. All blades are marked in inch and metric measure.

39-530 has 26 blades; .0015"/.038mm to .025"/.635mm.
14-409 has 11 blades; .0015"/.038mm to .025"/.635mm.
14-407 has 13 blades; .002"/.05mm to .039"/1.0mm.

Cat. No.	Description	Each
39-530	Feeler Gauge, 26 blades	$4.95
14-409	Feeler Gauge, 11 blades	4.50
14-407	Feeler Gauge, 13 blades	4.50



GENERAL



Flexible Stainless Steel Rules

Satin-chrome finish. Etched black fine graduations. Meets or exceeds federal regulations GGG-R-791F for accuracy. 39-121 calibrated side one: 16ths, 32nds; side two: 32nds, 64ths. All others with 5R calibration: side one: 10ths, 100ths; side two: 32nds, 64ths.

Cat. No.	Description	Length	Width	Each
39-250	Rule	6"	15/32"	$5.50
39-204	Rule	12"	15/32"	8.75
39-121	Rule, centerfinding	12"	1"	8.00
39-184	Rule	18"	3/4"	22.00
39-244	Rule	24"	3/4"	34.50

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



Central®

6" Inch/Metric Electronic Caliper

High-quality 6" (150mm) digital caliper features selectable inch/metric measurement, thumbwheel for accuracy and ease-of-use. Four measurements: inside, outside, depth and step. Hardened stainless steel. Precision-ground and lapped measuring surfaces. Direct inch-metric conversion. 0.0005" (0.01mm) resolution. Includes case and battery. Assembled in USA with Swiss electronics.

Cat. No.	Description	Each
66-220	Inch/Metric Electronic Caliper	$173.00

For replacement batteries, see page 311



Mitutoyo
MyCal-Lite™ 6" Digital Caliper

➥ **Stainless steel construction**

Inch/metric caliper features large LCD digits for easy reading. Zero point can be set anywhere within measurement range to allow quick comparison measurements. 0-6" (0-150mm) range. 0.001" (0.1mm) resolution. +/-0.005" (+/-0.2mm) accuracy. Low battery and overspeed audible alarms. Depth bar.

Cat. No.	Description	Each
861-113	Digital Caliper	$102.95

For replacement batteries, see page 311

STANLEY CONTRACTOR GRADE™



IntelliSensor™
Pro Stud Sensor

Locates studs and joists and differentiates between wood and metal. Detects live wires for added safety. Registers metal/rebar through 2" of concrete. LED display and audio alarm indicate the stud edges and center position for accurate marking. Ergonomically designed heavy-duty ABS construction. Auto calibration. Requires 9V battery (included). One year warranty.

Cat. No.	Description	Each 1-5	6-11
[illegible]	IntelliSensor Pro Stud Sensor	$35.00	$31.50

For replacement batteries, see page 311

Mitutoyo
Solar Powered 6" Digital Caliper



➥ **No dead battery risk**

Stores energy and operates up to 3 hours in the dark. 5 digit display, 50 micro inch repeatability, inch/mm conversion, zero set, data hold, automatic turn off. 0 to 6", (0 to 150 mm), 1.6" deep outside jaws, .8" deep inside jaws, and .15" blade for depth and step measurements. Includes plastic case. Two year manufacturer's warranty.

Cat. No.	Description	
861-451	Solar Powered Digital Caliper	$258.50

GENERAL

6" Digital Caliper



➥ **Fiberglass reinforced polyamide construction**

Accurate digital measurements in both inches and mm. Direct reading 0-6"/0-150mm with 0.001"/0.1mm resolution. Measures inside, outside, depth and step.

Cat. No.	Description	
39-143	Digital Caliper	$71.00

For replacement batteries, see page 311

Central®

6" Dial Caliper



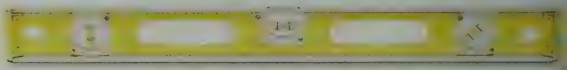
Measures outside, inside and depth in inches on large, easy-to-read dial. 6" measuring range. .001" dial increments. 1.6" jaw depth. Fitted case included.

Cat. No.	Description	Each
66-526	Dial Caliper	$65.00

STANLEY CONTRACTOR GRADE™



865-512



865-244

Levels

Torpedo Levels are 9" long and feature a durable aluminum frame, top read vial window and magnetic strip for hands-free operation. **865-512** illuminates with the push of a button. Both levels are ideal for pipe and conduit work.

Standard Level is 24" long and is a durable, heavy-duty aluminum I-beam frame with large hand holes. Features extra large top read window and magnetic strip.

Cat. No.	Description	Length	Vials	Each 1-5	6-11
37-730	Torpedo Level	9"	3	$11.50	$10.35
865-512	Lighted Torpedo Level	9"	3	19.50	17.55
865-244	Standard Level	24"	3	18.50	16.65



MaxSteel Tape Rules

25' Ergonomic Tape is extra heavy-duty and features an exclusive cushion grip built into the case for comfortable, non-slip handling. Impact-resistant case, and Mylar "blanket-wrap" blade-coating, extending the blade life up to ten times. 9' blade standout.

50' Heavy-duty steel tapes, with an extra strong, 10% thicker blade for longer life. Stainless steel roller cage provides smooth blade action. Mylar coated blade, impact-resistant case.

Cat. No.	Description	Blade Width	Each 1-5	6-11
865-103	Ergonomic Tape, 25'	1"	$19.00	$17.10
865-105	Heavy-Duty Tape, 50'	3/8"	20.00	18.00



FatMax™ Tape Rules

➥ **11' of standout, the longest in the industry**

1 1/4" wide blade for more durability, easier to read graphics, and a stronger, stiffer blade during use. Ergonomic case with cushion grip. Large bumper for increased hook life. Multi-function hooks grab on side, top or bottom, moves to allow accurate inside and outside measurements. Mylar blade coating extends blade life up to ten times longer.

Cat. No.	Description	Each 1-5	6-11
865-725	FatMax Tape Rule, 25'	$19.95	$18.95
865-726	FatMax Tape Rule, Metric, 26'/8m	19.95	18.95



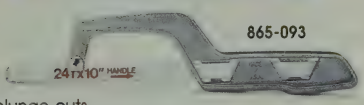
Saws

Wallboard Saw has ergonomically designed handle and hardened blade with pointed tip for plunge cuts.

Large Hacksaw has a rigid steel frame adjustable for 8-10-12" blades (10" blade included).

Jr. Hacksaw is a compact 6" version for confined areas.

Metal Mini-Hack™ has lightweight, durable aluminum frame. Uses blades from large saw (10" blade included).



Cat. No.	Description	Blade	Each 1-5	6-11
865-094	Wallboard Saw	6"	$5.00	$4.50
169-156	Large Hacksaw	10"	9.95	8.96
865-218	Jr. Hacksaw	6"	5.50	4.95
865-093	Mini Hacksaw	10"	5.00	4.50
403-236	Blades, Coarse, 2/pk.	12"	1.95	1.76
403-238	Blades, Fine, 2/pk.	12"	1.95	1.76
865-905	Blade for Jr. Hacksaw	6"	2.25	2.03



BADGE OF THE PROFESSIONAL®

The Stanley POWERLOCK® tape rule case design is a registered trademark of The Stanley Works.

Powerlock® Tape Rules

➥ **Mylar coated blades, less friction, longer life**

Powerlock 30' Tape with 1" blade graduated in 1/16" increments with stud markings in red. 7' blade standout. Positive blade lock.

Powerlock 25' Tape with 1" blade graduated in 1/32" increments for the first 12" and 1/16" thereafter on one edge. Other edge is graduated in millimeters. 7' blade standout. Positive blade lock and power rewind.

Powerlock 16' Tape with 3/4" blade graduated in 1/16" increments on one edge and millimeters on the other edge. Positive blade lock and power rewind.

Powerlock 12' Tape with 1/2" blade graduated on one edge in 1/50" increments for the first 6", and 1/10" thereafter. Other edge graduated in 1/32" and 1/16" respectively. Positive blade lock and power rewind.

Powerlock 12' Tape with 1/2" blade marked on one edge in 1/16" increments and millimeters on the other edge. Positive blade lock and power rewind.

Cat. No.	Description	Blade Width	Each 1-5	6-11
865-430	Powerlock Tape, 30'	1"	$19.50	$17.55
185-334	Powerlock Tape, 25'/7.5m	1"	16.50	14.85
865-158	Powerlock Tape, 16'/5m	3/4"	11.95	10.76
185-332	Powerlock Tape, 12'	1/2"	9.95	8.96
23-212	Powerlock Tape, 12'/3.5m	1/2"	9.50	8.55

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

STANLEY

Claw Hammers

➥ 16 oz. head

Combines strength of fiberglass with a high-impact yellow, polycarbonate alloy jacket to prevent overstrike damage.



Cat. No.	Description	Each 1-5	6-11
185-110	Curved Claw Hammer	$14.50	$13.05
185-518	Straight Ripping Claw Hammer	14.50	13.05



Ball Peen Hammers

Heads are forged, heat-treated, finished and varnished. Hickory handles.

Cat. No.	Description	Each 1-5	6-11
976-104	Ball Peen Hammer, 4 oz.	$11.95	$10.76
354-108	Ball Peen Hammer, 8 oz.	12.95	11.66
354-112	Ball Peen Hammer, 12 oz.	12.95	11.66
865-116	Ball Peen Hammer, 16 oz.	12.95	11.66



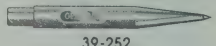


Pin Punch Sets

Set of eight steel punches, centerless ground and heat-treated. 4" long with-knurled bodies. Sizes: 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4 and 5/16". Choice of vinyl pouch or wooden case.

Cat. No.	Description	Each 1-5	6-11
39-075	Pin Punch Set in Vinyl Pouch	$25.95	$23.36
39-575	Pin Punch Set in Wooden Case	33.50	30.15





Center Punches

39-252 has 3/32" point. 4" long x 5/16" diameter. **39-254** has internal spring release to make the impression. 5" long x 1/2" diameter.

Cat. No.	Description	Each 1-5	6-11
39-252	Center Punch	$2.95	$2.66
39-254	Automatic Punch	19.50	17.55
39-255	Replacement Point for 39-254	2.50	2.25

PROTO



Soft-Face Hammers

No-mar plastic tips protect the work. Hammer has 10 1/4" fiberglass handle. 1" dia. head accommodates two screw-on tips.

Cat. No.	Description	Color	Each 1-5	6-11
173-015	Hammer with 6 Tips	All	$29.95	$26.96
173-001	Hammer Handle only	–	11.75	10.58
173-003	Soft Tip	Brown	3.50	3.15
173-005	Medium Tip	Red	3.50	3.15
173-007	Tough Tip	Green	3.50	3.15
173-009	Medium Hard Tip	Cream	4.95	4.46
173-011	Hard Tip	Black	4.95	4.46
173-013	Extra Hard Tip	Yellow	4.95	4.46



STANLEY

Dead Blow Hammers

➥ Soft face ➥ Non-sparking ➥ Lifetime warranty

Steel shot inside hammer head reduces shock, delivers extra punch. Will not mar surfaces or absorb liquids.

Cat. No.	Description	Each 1-5	6-11
185-575	Dead Blow Hammer, Slimline, 14 oz.	$18.95	$17.06
185-576	Dead Blow Hammer, 18 oz.	19.95	17.96
185-577	Dead Blow Hammer, 21 oz.	23.95	21.56



Brass Punch and Cold Chisel Sets

Cold Chisel Set is hand forged of highest quality alloy steels. Conforms to ANSI and ASTM standards. Sizes 1/4, 5/16, 3/8, 1/2, 5/8, 3/4". Fitted vinyl pouch. (USA)

Brass Pin Punch Set for non-marring applications. Knurled handles. Includes sizes 1/4, 3/8, 3/32, 1/8, 3/16, 1/4, 5/16". Fitted vinyl pouch.

Cat. No.	Description	Each 1-5	6-11
869-002	Cold Chisel Set, 6 pc.	$20.25	$18.23
869-003	Brass Pin Punch Set, 7 pc.	28.50	25.65

"Adel" Metal Nibbler

Notches, trims, and cuts to any size over 7/16". Easy-to-use with no strain or distortion. Tool capacity: 18 gauge steel, 1/16" aluminum, copper, and certain plastics.

Cat. No.	Description	Each 1-5	6-11
74-130	Adel Metal Nibbler	$16.95	$15.26
74-133	Replacement Punch	12.50	11.25

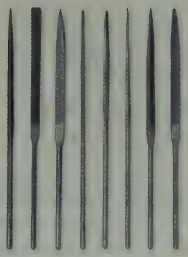


JENSEN
Lifetime Guarantee

8-Piece Needle File Set

➥ **Swiss quality single cut files**

Swiss needle files include #2 medium cut in the following styles: warding, half round, round, square, equaling, tri-square, knife and oval in vinyl fold-up pouch.



Cat. No.	Description	Length	Each 1-5	6-11
1-031	File Set, 8 pc.	5 1/2"	$22.95	$20.66

JENSEN
Lifetime Guarantee

8-Piece Needle File Kits

➥ **Top quality Grobet-Swiss needle files**
➥ **Number 2 cut (medium)**

Top of the line Swiss needle files in a vinyl storage pouch. Includes round, square, 3 square, equaling, crossing, warding, half round and knife.



Cat. No.	Description	Length	Each 1-5	6-11
14-317	File Kit, 8 pc.	4"	$49.95	$44.96
14-319	File Kit, 8 pc.	6 1/4"	52.00	46.80

6-Piece Wood Handle File Set

Fine quality set includes flat, half-round, round, square, triangular and taper styled files to meet almost every need. Easy grip wood handles with 4 1/8" blades. Vinyl pouch.



Cat. No.	Description	Length	Each 1-5	6-11
14-096	File Set, 6 pc.	6 1/2"	$18.50	$16.65

Nicholson Comfort-grip Industrial File Set

Innovative grip design provides comfortable use and optimum control. Co-molded grip compound with hard inner structure for strength and softer outer layer for comfort. Flared handle neck prevents slipping. Pegboard hanging hole. Supplied in heavy-duty storage pouch. Includes 6" extra-slim taper, slim taper; 8" half-round, flat bastard; 10" round bastard, half-round bastard, mill bastard, flat bastard; 12" mill bastard.



Cat. No.	Description	Each
1-203	Comfort-grip Industrial File Set, 9pc	$99.95

12-Piece Needle File Kit

Swiss needle files in vinyl see-through pouch. Includes flat, oval, round, half-round, warding, and equaling styles. Finest steel for use in precision work.



Cat. No.	Description	Length	Each 1-5	6-11
108-752	File Kit, 12 pc.	5 1/2"	$36.00	$32.40

JENSEN
Lifetime Guarantee

8-Piece File Kit

Compact, versatile file kit for tool box or workbench. Contains adjustable file handle and five 6" files: round medium cut, three-square smooth, mill bastard, hand smooth, half round smooth cut and file cleaner. Vinyl roll pouch.



Cat. No.	Description	Each 1-5	6-11
23-550	File Kit, 8 pc.	$49.00	$44.10
39-890	File Handle only	5.60	5.04

Nicholson Maintenance File Set

Nine commonly used files with rugged, labeled vinyl pouch. Finest quality construction for rugged industrial applications.



Cat. No.	Description	Length	Each 1-5	6-11
3-130	Maintenance File Set, 9 pc.	All	$95.95	$86.36
3-131	File, Flat Bastard	10"	11.25	10.13
3-132	File, Mill Bastard	10"	7.50	6.75
3-133	File, Flat Smooth	10"	14.00	12.60
3-134	File, Half-round Bastard	10"	16.00	14.40
3-135	File, Round Bastard	10"	8.95	8.06
3-136	File, Flat Smooth	8"	10.50	9.45
3-137	File, Half-round Bastard	8"	13.00	11.70
3-138	File, 4-in-1 Hand	8"	11.00	9.90
3-139	File, Slim Taper	6"	4.95	4.46
39-890	File Handle	-	5.60	5.04

JOMARD

Pocket Contact Burnishers

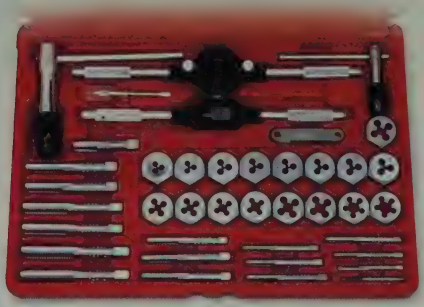


63-082 comes with six flat blades, 1 1/2" long x 11/64" wide and .007" thick.

759-003 comes with six flat blades .0035" thick and six round blades with ball end, .020" diameter. Both tools are 4 1/4" long with blade storage in hollow plastic body. Chuck holds blade in use.

Cat. No.	Description	Each 1-5	6-11
63-082	Pocket Contact Burnisher w/Flat Blades	$18.95	$17.06
759-003	Pocket Contact Burnisher w/Flat & Round Blades	21.95	19.76
63-084	Replacement Flat Blades, .007", 25/pk.	16.25	14.63
63-085	Replacement Flat Blades, .0035", 25/pk.	16.25	14.63
759-004	Replacement Round Blades, .020", 50/pk.	27.95	25.16

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



40 Piece Tap & Die Sets

➥ **Inch or metric**

Inch Set includes 17 hex dies in sizes 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 1/4-28, 5/16-24, 3/4-24, 7/16-20, 1/2-20 and 1/8-27 pipe, plug-style taps in same sizes, adjustable die guide stock, adjustable tap wrench, two T-handle tap wrenches, screw pitch gauge, screwdriver and unbreakable polyethylene case. **Metric Set** is similar, with 17 hex dies (5/8 or 1") in sizes 3mm-.50 to 12mm-1.75, matching taps and same accessories and case as inch set.

Cat. No.	Description	Each 1-5	6-11
146-180	Tap and Die Set, Inch Measure	$126.00	$113.40
146-190	Tap and Die Set, Metric Measure	146.00	131.40



3-in-1 Tap Tool

Quickly forms new threads, re-forms burred threads. Each tap size re-threads to next larger size if threads are stripped. Replaceable tap blade. Includes sizes 6-32, 8-32 and 10-24 taps on single blade.

Cat. No.	Description	Each 1-5	6-11
40-223	3-in-1 Tap Tool	$14.25	$12.83
40-224	Replacement Blade	8.25	7.43

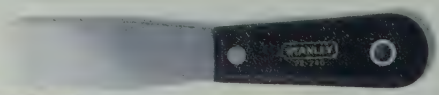
IRWIN.

Reamer Set



Small size reams holes 1/8 to 1/2"; large size reams holes 1/2 to 1". Removable handle fits both. 3/8" square head for use with socket wrenches. Plastic pouch.

Cat. No.	Description	Each 1-5	6-11
146-340	Reamer Set	$52.00	$46.80



STANLEY

Professional™ Putty Knife

Hardened and tempered steel blade is fully polished, taper ground and permanently attached to shatter-resistant nylon handle. 1 1/4" flexible blade.

Cat. No.	Description	Each 1-5	6-11
[illegible]	Putty Knife	$3.95	$3.56

GREENLEE
Slug-Buster

Manual Knockout Punch Set



- Punch profile splits slugs automatically
- Easy slug removal
- 1" hex head ratchet wrench included
- Use with both 3/8 and 3/4" draw studs

Set includes 6 punch & die sets for following conduit sizes 1/2, 3/4, 1, 1 1/4, 1 1/2 and 2". Also includes ratchet wrench, plus 3/8 x 1 9/16" and 3/4 x 2 15/16" ball bearing draw studs. Plastic storage case.

Cat. No.	Description	Each 1-4	5-9
64-347	Slug-Buster Manual Knockout Punch Set	$279.00	$265.05



STANLEY

Push Drill

➥ **Speeds drilling**

All metal construction. Chrome-plated. Storage handle contains eight drill points, 1/16 to 11/64". Length with drill in chuck is 11 1/2".

Cat. No.	Description	Each 1-5	6-11
185-015	Push Drill	$38.00	$34.20
865-069	Replacement Drill Points	10.95	9.86



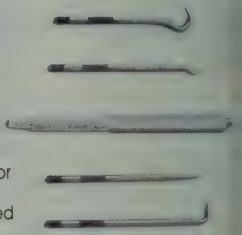
LUNZER

Pocket Diamond & Diamond/Carbide Scriber

Cat. No.	Description	Each 1-5	6-11
262-680	Pocket Diamond Scriber	$8.95	$8.06
262-220	Diamond/Carbide Scriber	18.95	17.06

Moody®

5-Piece Acu-Min® Scriber/Pick Set



Features four different hardened steel points. Available with either a magnetic or non-magnetic non-rolling, hex aluminum handle with sure grip front end. Assembled length is 7 1/2".

Cat. No.	Description	Each 1-5	6-11
41-223	Scriber/Pick Set w/Non-Magnetic Handle, 5 pc.	$8.95	$8.06
41-224	Scriber/Pick Set w/Magnetic Handle, 5 pc.	9.95	8.96

ARROW

ETC50™ Cordless Staple Gun Tacker



The power of a plug-in tacker without the tangled cord. Flush front gets into tight corners. Rapid-fire operation with jam-proof mechanism. Contoured design for perfect balance. All steel channel and rack for long life. On/off safety trigger lock. LED "fire-ready" indicator. Uses Arrow T-50 flat crown staples below. 84-050 Kit includes staple gun, 7.2V battery pack, charger and rugged storage case.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
84-050	ETC50K Cordless Staple Gun Tacker Kit	$205.00	$184.50
84-051	ETC50 Cordless Staple Gun Tacker Only*	105.00	94.50
84-052	B7200 7.2V Battery Pack	50.00	45.00

Cat. No.	Mfr. No./Description	Each 1-5	6-11
84-053	CG072 Battery Charger	$50.00	$45.00
84-505	T-50 Staples, 5/16", 1250/pk	3.95	3.56
84-506	T-50 Staples, 3/8", 1250/pk	4.25	3.83
84-508	T-50 Staples, 1/2", 1250/pk	4.50	4.05
84-509	T-50 Staples, 9/16", 1250/pk	4.95	4.46

*Staple gun only. Requires 84-052 battery pack and 84-053 charger for use.

ARROW

T-18 Wire Tacker



➥ **Perfect for small diameter telephone/LAN cable**

For securing up to 3/16" diameter wire and cable. Loads up to 85 staples. Drives tightly on new thin telephone wire. All steel construction with bright chrome finish. One hand operation.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
84-536	T-18 Wire Tacker	$48.95	$44.06
84-535	T-18 Staples, 3/16" dia., 7/16" depth	2.95	2.66

STANLEY

Pro Sharpshooter™ Heavy-Duty Staple Gun

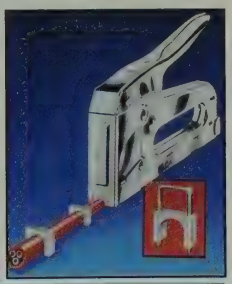


Operates as a staple gun, nailer, cable tacker and screen/canvas specialty tool. Manual, easy-squeeze lever. Dual power, hi/lo for hard or soft materials. Drives Stanley SharpShooter staples and brads.

Cat. No.	Description	Size	Each 1-5	6-11
145-001	Pro Sharpshooter Heavy-Duty Staple Gun	–	$22.95	$20.66
145-004	Heavy-Duty Staples, 1000/pk.	1/4"	1.75	1.58
145-005	Heavy-Duty Staples, 1000/pk.	5/16"	1.75	1.58
145-006	Heavy-Duty Staples, 1000/pk.	3/8"	1.75	1.58
145-007	Heavy-Duty Staples, 1000/pk.	1/2"	1.95	1.76
145-008	Brad Nails, 500/pk.	1/2"	1.95	1.76

ARROW

T-59 Wire Tacker



➥ **Secures wire with insulated staples**

Allows safe and secure installation of all types of wiring from 1/4" to 5/16" diameter. All steel construction with chrome finish. One-hand operation.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
84-790	T-59 Wire Tacker	$49.50	$44.55
84-795	T-59 1/4" Insulated Staples, 300/bx.	7.35	6.62
84-796	T-59 5/16" Insulated Staples, 300/bx.	7.35	6.62

STANLEY
CONTRACTOR GRADE™



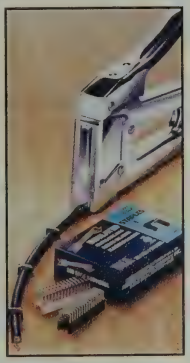
Glue Pro Professional Glue Gun

Industrial quality electric glue gun features exclusive auto shut-off for safety, reliability and extended life. Dual-heater provides 40% greater glue output. Temperature switch for both high and low temperature glue applications. On/off light and protected nozzle. Cushion grip for comfortable non-slip trigger action. 115VAC.

Cat. No.	Description	Each 1-5	6-11
145-003	Glue Pro Professional Glue Gun	$25.00	$22.50
145-009	Glue Sticks, 4" Standard Clear, 24/pk.	2.50	2.25
145-011	Glue Sticks, 4", Super Strength, 30/pk.	3.50	3.15

ARROW

Staple Gun Tacker



➥ **Secures round wires fast**

All steel with chrome finish. Two sizes, for 1/4" and 1/2" diameter wire and cable.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
84-770	T-25 Staple Gun Tacker, 1/4"	$39.50	$35.55
84-780	T-75 Staple Gun Tacker, 1/2"	39.50	35.55
84-775	T-25 Staples, 1/4" diameter, 7/16" depth	9.95	8.96
84-785	T-75 Staples, 1/2" diameter, 5/8" depth	5.50	4.95

JENSEN TOOLS INC.
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JENSEN® LIFETIME Guarantee

Electrician's Scissors

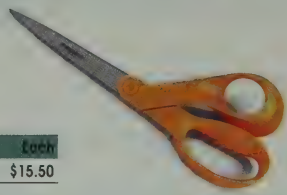


- Double stripping notches
- 5¼" long

Cat. No.	Description	Each
14-467	Smooth Blade	$9.25
320-175	Serrated Blade	10.50

FISKARS®

Right-Handed Shears



- Stainless steel blade
- 8" long

Cat. No.	Description	Each
51-451	Shears	$15.50

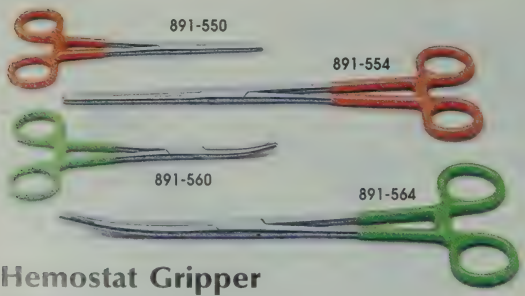
KYOCERA

Ceramic Scissors



- Never need sharpening
- Trims Kevlar
- 5½" long

Cat. No.	Description	Each
195-124	Ceramic Insert	$38.50
195-140	Ceramic Blade	45.00



Hemostat Gripper Pinch-Off Tools

- Stainless steel with coated handles
- Four position lock

Cat. No.	Description	Length	Each 1-5	6-11
[illegible]	[illegible] Set, 4 pc.	-	$39.95	$35.96
[illegible]	[illegible] Straight	6¼"	7.95	7.16
[illegible]	[illegible] Straight	10¾"	13.95	12.56
[illegible]	[illegible] Bent Nose	6¼"	7.95	7.16
[illegible]	[illegible] Bent Nose	10⅜"	13.95	12.56

Low Fatigue Electrician's Snips



Finally an electrician's scissor which isn't painful to use. Unique large, padded ring adds leverage and spreads pressure. Fits the hand better for less fatigue. New ice-tempered stainless steel construction means no rust, peeling, discoloration, irritation. Serrated with strip notches.

Cat. No.	Mfr. No./Description	Each
458-150	150 Large Ring Electrician's Snips	$16.00

Ergo Shears



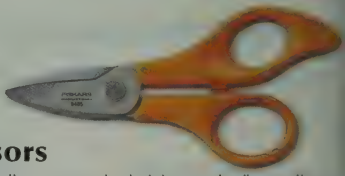
- Trims Kevlar®
- Spring action

Spring action reopens shears automatically to reduce fatigue. Serrated blades, cushion grip handles with lock. Cuts Kevlar, abrasive fiber and fine wire. For both right or left hand use.

Cat. No.	Description	Length	Each 1-5	6-11
458-744	Ergo Shears	6½"	$24.50	$22.05

FISKARS®

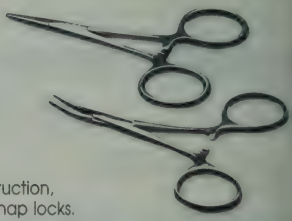
Comfort-Grip DataCom Scissors



Designed for comfort, in the manner technicians actually use them, in the palm of the hand. Form-fitted palm loop and finger rest for greater control. Tapered tips for tight spaces. Stripping notches. Fine serrations for strong gripping. Solid steel rivet. For use with copper or fiber-optic cable.

Cat. No.	Description	Each 1-5	6-11
51-485	Comfort-Grip Datacom Scissors	$15.25	$13.73

All-Purpose Hemostats



- Available in straight or curved jaws

Stainless steel, box-joint construction, serrated tips and multi-purpose snap locks.

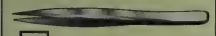
Cat. No.	Description	Length	Each 1-5	6-11
23-022	Straight Hemostats Set, 4 pc.	3½, 5, 6, 7"	$24.95	$19.96
23-024	Curved Hemostats Set, 4 pc.	3½, 5, 6, 7"	25.85	20.68
112-005	Straight Hemostats	3½"	5.95	4.76
112-015	Curved Hemostats	3½"	6.25	5.00
112-025	Straight Hemostats	5"	7.50	6.00
112-035	Curved Hemostats	5"	7.75	6.20
112-020	Straight Hemostats	6"	7.75	6.20
112-030	Curved Hemostats	6"	7.95	6.36
112-040	Straight Hemostats	7"	8.75	7.00
112-050	Curved Hemostats	7"	8.95	7.16

Tweezer Styles

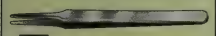
A variety of styles to suit almost every need. Used in watchmaking, microscopy, micro-electronic production, semi-conductor, white room operations, instrument assembly and more.



00 Utility-type tweezer with very strong flat tips and legs.



1 Slender general-use tweezer with strong, sharply pointed tips.



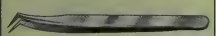
2A For use on semiconductor wafers. Long, thin, smooth-surfaced rounded tips.



3 Finely pointed tips accurately position miniature parts.



5 Needle-like, very thin tips for handling microscopic parts.



6 Sharp, fine bent tips for inserting and retrieving miniature parts.



7 Very thin curved tips for working on microminiature assemblies.



Diamond Strong serrated tips for parts handling.

Precision Tweezers

Jensen quality industrial-grade tweezers feature anti-magnetic, anti-acid stainless steel construction. Low-glare satin finish. Precision tips are perfectly aligned. Standard tension.

Cat. No.	Style	Length	Each 1-5	6-11	12-24
606-100	00	4 3/4"	$7.75	$6.98	$6.82
606-002	2A	4 3/4"	7.75	6.98	6.82
606-003	3	4 3/4"	7.75	6.98	6.82
606-005	5	4 1/4"	7.75	6.98	6.82
606-006	6	4 1/2"	7.75	6.98	6.82
606-007	7	4 1/2"	7.75	6.98	6.82

For additional quantity pricing, contact Jensen Sales at 800-426-1194.



DUMONT® Hi-Tech Swiss Tweezers



Legendary Dumont quality in a fine mid-priced tweezer. Excellent finish and balance. Available in either stainless steel or non-magnetic stainless steel.

Stainless Steel / Anti-Magnetic Stainless Steel

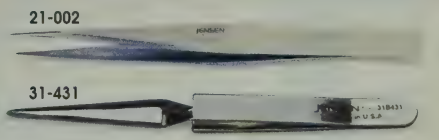
Cat. No.	Each 1-5	6-11	12-24	Style	Length	Cat. No.	Each 1-5	6-11	12-24
803-100	$11.50	$10.35	$10.12	00	4 1/2"	803-010	$11.00	$9.90	$9.68
803-001	11.00	9.90	9.68	1	4 3/4"	803-011	10.00	9.00	8.80
803-002	11.50	10.35	10.12	2A	4 3/4"	803-012	11.00	9.90	9.68
803-003	14.00	12.60	12.32	3	4 3/4"	803-013	14.00	12.60	12.32
803-005	13.50	12.15	11.88	5	4 3/8"	803-014	15.00	13.50	13.20
803-006	17.00	15.30	14.96	6	4 1/2"	803-016	18.00	16.20	15.84
803-007	15.50	13.95	13.64	7	4 1/2"	803-017	15.50	13.95	13.64
803-072	16.00	14.40	14.08	Diamond	6 1/2"	–	–	–	–

For additional quantity pricing, contact Jensen Sales at 800-426-1194.

JENSEN® Lifetime Guarantee

Specialty Tweezers

Cat. No.	Description	Each
21-002	Boley Style Tweezer, 4 7/8"	$7.95
31-431	Reverse-Action Tweezer, 4"	4.95



JENSEN® Lifetime Guarantee

Stainless Steel Precision Tweezer Kit

Fine quality tweezers manufactured from iron-chromium alloy stainless steel. Precision shaped and hand finished. Set includes styles 2A, 3, 00, Diamond, 6, and 7 in padded zipper case.

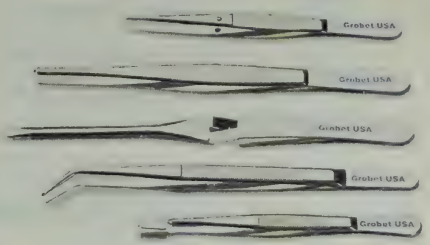
Cat. No.	Description	Each
1-580	Precision Tweezer Kit, 6 pc.	$99.00
54-168	Zipper Case Only	18.00



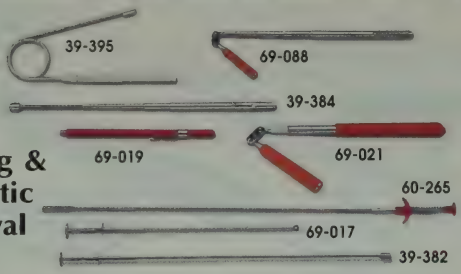
Grobet All-Purpose Tweezer Kit

Five basic tweezers: 4 1/2" pointed, 4 3/4" stamp, 6" forceps, 6" utility, and 6 1/2" self closing. Long life nickel-plated steel resists corrosion. Storage pouch.

Cat. No.	Description	Each
31-936	All-Purpose Tweezer Kit, 5 pc.	$18.95



JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



4-Prong & Magnetic Retrieval Tools

Magnetic retrievers feature strong Alnico magnets to securely retrieve parts from hard-to-access places. Your choice of telescoping, fixed or flexible styles. **69-021** and **69-088** have articulating arm. **39-382** features squeeze-grip for on/off magnetic action. 4-Prong Retrievers are flexible and operate with push-button retractable hook prongs to securely grip objects.

Cat. No.	Description	Length	Each 1-5	6-11
69-021	Magnetic, telescoping	15"	$8.25	$7.43
69-088	Magnetic, telescoping	20"	6.25	5.63
39-384	Magnetic, telescoping	24"	7.25	6.53
39-382	Magnetic, flexible, on/off	24"	9.95	8.96
69-019	Magnetic, fixed	6"	3.25	2.93
39-395	Magnetic, high-power, flexible	24"	6.25	5.63
60-265	4-prong Retrievers	24"	4.50	4.05
69-017	4-prong Retrievers	13.5"	5.25	4.73

Pocket 3-Prong Retrieval Tool

➥ **Pick up or hold small parts**

Depress plunger and three spring steel wires open to $1\frac{1}{8}$" for grasping small parts. Nickel-plated brass body.



Cat. No.	Description	Length	Each 1-4	5-11
31-300	Parts Holder	$5\frac{3}{4}$"	$5.50	$4.40

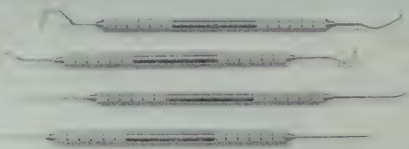


JONARD

Spring Tools

➥ **Remove, retrieve, and install springs**

Cat. No.	Description	Type	Length	Each 1-5	6-11
156-131	Spring Tool	Combination	8"	$3.50	$3.15
759-145	Spring Tool	Captive	7"	10.95	9.86
63-077	Spring Tool	Pull	6"	3.50	3.15
63-079	Spring Tool	Push	6"	3.50	3.15



4-Piece Dental Explorers Set

Four professional double-end dental picks, including one each of four popular styles. Brightly polished stainless steel.

Cat. No.	Description	Length	Each 1-5	6-11
197-004	Dental Explorers Set, 4 pc.	$6\frac{1}{2}$"	$26.95	$24.26



Inspection Mirrors

Cat. No.	Description	Length	Magnifier	Each 1-5	6-11
891-501	Mirror, Lighted	18"	–	$24.95	$22.46
891-180	Mirror, Lighted	18" Flex	✓	29.95	29.96
35-018	Mirror, 2 x $3\frac{1}{2}$"	11-15"	–	7.25	6.53
69-002	Mirror, 2 x $3\frac{1}{2}$"	11-15"	✓	11.25	10.13
129-109	Mirror, $2\frac{1}{4}$"	10-14"	–	7.25	6.53
69-001	Mirror, $2\frac{1}{4}$"	10-14"	✓	10.75	9.68
69-022	Mirror, Magnet	5-19"	–	7.75	6.98
69-099	Mirror, 1 x 2"	5-19"	–	7.25	6.53
35-016	Mirror, $\frac{7}{8}$"	$7\frac{1}{2}$"	–	4.25	3.83



CARICA
Extraordinary Innovations.

Illuminated Inspection and Retrieval Kit

Quality kit contains high-intensity krypton illuminated telescopic handle and quick-change mirrors, magnifiers and retrieval magnets. Illumination adjusts from flood to spot with one hand. Shatter-resistant mirrors and magnifiers. Powerful magnets with retractable PowerHed™ reduces side-pull by 99.9%. Includes 7-32" illuminated telescoping handle; $3\frac{1}{2}$ x $2\frac{1}{4}$", $2\frac{1}{2}$ x $1\frac{3}{4}$", $2\frac{1}{2}$ x $\frac{3}{4}$" inspection mirrors; $2\frac{1}{2}$ x $1\frac{3}{4}$" 3X inspection magnifier, 3 lbs and 14 lbs retrieval magnets.

Cat. No.	Description	Each
242-001	Illuminated Inspection and Retrieval Kit	$64.00

DEWALT

1/2" 24-Volt Heavy-Duty Drill/Hammerdrill Kit





Combines drill and hammerdrill functions in one powerful tool. 550in./lbs. of torque. All metal chuck with carbide-tipped jaws prevents bit slippage in high-torque and hammerdrilling applications. 360° side handle. Dual-range, variable speed 0-450 RPM and 0-2,000 RPM. 0-7650 and 0-34,000 BPM. 1/2" steel, 2 9/16" wood and 1/2" concrete capacity. 8.4 lbs. Kit includes drill, battery charger, XR PACK® high-capacity battery pack, side handle and storage/carry case. Optional 836-008 AC/DC Power Adapter installs on drill in place of battery and allows operation from 120VAC.

Cat. No.	Mfr. No./Description	Each
836-006	DW006K/1/2" 24V Heavy-Duty Drill/Hammerdrill Kit	$419.00
836-007	DW0240/Replacement 24V Battery Pack	145.00
836-008	DW0247/Optional AC/DC Power Adapter	165.00

DEWALT

1/2" 18-Volt Heavy-Duty Cordless Drill/Driver



➥ **Now with XR+ Pack Extended Run-Time Batteries**

1/2" ratcheting keyless chuck lock. Upgraded high-torque motor with 450 in./lbs. torque. Anti-slip comfort grip. XR+ extended runtime battery packs. T-handle design for excellent balance. Three-speed, all metal transmission, 0-450/0-1600/0-2000 RPM. Adjustable clutch. 360° adjustable side-handle. Includes drill/driver, two XR+ battery packs, 1-hour charger with Tune-Up™ mode, double-ended screwdriver bit, heavy-duty carrying case. 115VAC charger. One-year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
836-987	DW987K-2 1/2" 18V Heavy-Duty Cordless Drill/Driver	$383.00
836-998	Replacement 18V Battery Pack	128.00

DEWALT

3/8" 12-Volt Cordless Drill/Driver



Heavy-duty drill/driver is compact and lightweight. 190 in./lbs. torque. Adjustable clutch. Dual-range, variable speed: 0-400 RPM and 0-1200 RPM. Reversible. T-handle design for excellent balance. Includes drill/driver, two battery packs, charger, screwdriver bit and high-strength carrying case. 115VAC charger. 3.8 lbs. One year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
836-953	DW953K-2 3/8" 12V Cordless Drill/Driver	$269.00
836-954	Replacement 12V Battery Pack	60.00

Makita

3/8" Cordless 12-Volt Driver/Drill



➥ **287 in./lbs. torque**

Extra high-capacity 2.0 amp/hr. battery technology. Dual range speed control 0-450 and 0-1400 RPM. Reversible. User replaceable external brushes. Includes drill, two battery packs, charger, two reversible Phillips/slotted bits and rugged tool case. Well-balanced drill weighs 4.4 lbs. One year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
882-702	6213 DWAE 3/8" 12V Cordless Driver/Drill Kit	$275.00
882-717	Replacement 12V Battery Pack	67.00
882-722	Replacement 115VAC Universal Charger, 7.2-14.4V	92.00

Makita

3/8" Cordless Driver/Drill



➥ **Adjustable clutch w/11 torque settings**

➥ **One-hour fast charger**

7.2V battery provides plenty of power without the bulk or weight of larger tools. Variable speed with two ranges, 0-200 and 0-600 rpm. Reversible. Keyless chuck. Complete with drill, battery pack, charger, two double-ended Phillips bits and rugged tool case. 115VAC charger. Well balanced drill weighs 2.5 lbs. One year manufacturer's warranty.

Cat. No.	Description	Each
882-019	3/8" Cordless Driver/Drill Kit	$157.00
882-632	Replacement 7.2V Battery Pack	41.25
882-113	Replacement Fast Charger	67.00

Makita

1/2" 18-Volt Cordless Driver-Drill Kit



Powerful, well-balanced drill delivers 404 in. lbs. of torque. 2.0-Ah battery delivers long run time between charges. Industrial metal gear housing. 18 torque settings. 1/2" keyless chuck. Built-in screwdriver bit holder. Dual range, variable speed: 0-450 and 0-1400 RPM. Reversible. 5.5 lbs. Kit includes driver-drill, two 18-volt battery packs, universal charger (also charges other Makita battery packs 7.2-18V), Phillips/slotted bit, side grip, depth gauge and rugged carrying case. One year manufacturer's warranty.

Cat. No.	Description	Each
882-634	1/2" 18-Volt Cordless Driver-Drill Kit	$365.00

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DEWALT

3/8" Variable-Speed Reversible Drill

0-2500 RPM. Powerful 5.4-amp motor and all ball-bearing construction for durability. Contoured textured handle for better grip. Built-in two-way level for accurate vertical and horizontal drilling. Heavy-duty Jacobs® keyless chuck. 115VAC.

Cat. No.	Description	Each 1-5	6-11
836-106	3/8" Variable-Speed Reversible Drill	$99.00	$89.10



Milwaukee

1/2" 14.4-Volt Power-Plus Cordless Driver/Drill

Powerful driver/drill features rare-earth motor developing 280 in./lbs. maximum torque. Pistol-grip handle with soft-grip pad for comfort. Dual range, variable speed: 0-450 RPM and 0-1250 RPM. Reversible. 19-position clutch. Reversible battery pack creates clearance to fit tight work spaces and adjust balance. 1.7 amp-hr. battery, one hour charger. Includes driver/drill, two battery packs, charger and impact resistant carrying case. 4.75 lbs.

Cat. No.	Mfr. No./Description	Each
306-511	0511-21 1/2" 14.4V Cordless Driver/Drill, 115VAC	$299.00
306-513	Replacement 14.4V Battery Pack	74.00



DEWALT

Heavy-Duty 1/2" VSR Drill

Rugged corded drill features 7.8 amp heavy-duty motor and helical-cut steel heat-treated gears. Metal gear housing. Rubber grip and two-finger rubber trigger for increased comfort. Jacobs® keyless chuck with spindle lock. 360° side handle. 0-850 RPM. Reversible. 115VAC. One year manufacturer's warranty.

Cat. No.	Description	Each
836-236	Heavy-Duty 1/2" VSR Drill	$216.00



Milwaukee

Hole-Shooter Corded Drills

Heavy-duty construction with helical cut, heat-treated gears. Aluminum gear case. Trigger speed control. Reversing. 0-1000 RPM, 3/8" drill, 0-850 RPM, 1/2" drill. High-strength impact-resistant handle. 115VAC.

Cat. No.	Mfr. No./Description	Each
306-228	0228-6 3/8" Hole-Shooter Corded Drill	$165.00
306-234	0234-6 1/2" Magnum Hole-Shooter Corded Drill	185.00



Milwaukee

1/2" Corded Hammer Drill

For percussion carbide-bit drilling in concrete and masonry or drilling without hammering in wood or metal. Hammer drill up to 7/8" holes in concrete and masonry. Dual speed range: Low, 0-1350 RPM; High, 0-3200 RPM. 0-52,000 blows per minute. Turn collar for selection of hammer drill or drill only. Adjustable depth rod and side handle. Double insulated. 6.5 amp motor. 115VAC.

Cat. No.	Mfr. No./Description	Each
306-378	5378-20 1/2" Corded Hammer Drill	$185.00

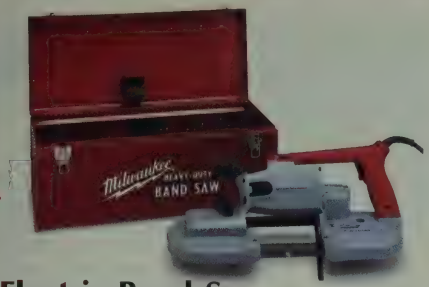


DEWALT

3/8" 12-Volt Cordless Right-Angle Drill/Driver Kit

Features 180 in/lbs. torque for turning large drill bits and fasteners in tight confines. Dual-range, variable speed: 0-400 RPM and 0-1200 RPM. Reversible. Sealed ball bearing construction with cut-steel gears. Comfortable grip and rubber trigger. Includes drill/driver, one hour charger, battery pack and high-strength carrying case. 115VAC charger. 4.1 lbs. One year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
836-965	DW965K 3/8" 12V Cordless Right-Angle Drill/Driver Kit	$270.00
836-954	Replacement 12V Battery Pack	60.00



Portable Electric Band Saw

Powerful 6-amp motor provides high performance under the toughest cutting conditions. Ideal for cutting pipe, conduit, track, raceways and a wide variety of material. Bi-metal blade. All ball and roller bearing construction with dynamically balanced armature. Worm-gear and chain-drive mechanism provides optimum torque transfer. Well balanced design puts center of balance directly over blade. Front T-handle. Open line-of-sight cutting. Blade tightening lever provides quick and easy blade change. Two-speed 250/200 surface ft/min. 3 1/2" round stock and 3 1/2 x 4 1/2" angular stock capacity. 16 lbs. Includes steel carrying case.

Cat. No.	Description	Each
306-100	Portable Electric Band Saw, 115VAC	$379.00



1 1/8" Heavy-Duty SDS-Plus Rotary Hammer

3-way operation offers rotation with hammer, hammer only or rotation only. Trigger variable speed control for smooth, controlled starts while hammering with rotation in concrete and masonry, or drilling without hammering in wood and metal. D-style handle for maximum drilling pressure and minimum fatigue. Slip clutch stops rotary action if bit jams. SDS-plus/Quik-Lok chuck system. 0-800 RPM and 0-4100 BPM. 6.8-amp motor. Double insulated. 1 1/8" solid bit, 1 1/2" wood flat boring, 5/8" steel twist drill, and 3 1/2" core bit capacity. Includes side handle, depth gauge, Quik-Change chuck adapter, 1/2" 3-jaw chuck and steel carrying case. 115VAC

Cat. No.	Description	Each
306-303	1 1/8" Heavy-Duty SDS-Plus Rotary Hammer	$579.00



Cordless Reciprocating Saw

Compact and lightweight. Cuts drywall, wood, steel, pipe and more. 2700 SPM with 9/16" stroke. Includes saw, battery, charger, steel and wood blades and hex wrench. 9.6V, 1.3A/hr battery. 3.1 lbs. 115VAC charger. One year manufacturer's warranty.

Cat. No.	Description	Each
182-439	9.6V Cordless Reciprocating Saw	$159.00
182-440	Replacement blades, wood, 5/pk.	11.25
182-441	Replacement blades, metal, 5/pk.	12.50



High-Performance Sawzall® Plus Reciprocating Saw

Cuts any sawable material. No starting hole needed for plunge cuts. Heavy-duty construction with all ball and roller bearings. Aluminum gear case. Trigger variable speed control. 0-2800 strokes per minute. Reversible blade. Quick shoe adjustment. Quik-Lok™ blade clamp for fast, easy blade changes. 6.5 amp motor. 8', 3-wire Quik-Lok detachable cord. Includes Sawzall, 2-blade pack and steel carrying case.

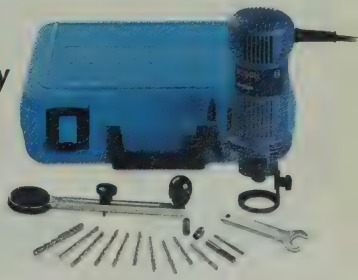
Cat. No.	Mfr. No./Description	Each
306-517	6517-20 Sawzall Plus Reciprocating Saw, 115VAC	$229.00



7.2-Volt Cordless Screwdriver

Heavy-duty screwdriver features 80 in./lb. of maximum torque. Adjustable 2-position handle. Variable trigger speed 0-500RPM. Reversing. Quick release 1/4" hex chuck for positive bit retention. 16-position clutch. Metal gearbox and metal planetary transmission. Fan-cooled motor. 3/8" wood and 1/4" steel drilling capacity. Includes one-hour charger, two screwdriver bits and heavy-duty carrying case. 115VAC charger

Cat. No.	Mfr. No./Description	Each
836-920	DW920K-2 7.2V Cordless Screwdriver	$179.95



Spiracut® Rotary Cutter Kit

➥ **Great for electricians, wire/cable installers**

Produces fast, clean cutouts in a wide variety of building materials. Use to make in-place cutouts for electrical outlets, windows, pipes, etc. Compact, ergonomic design, easy and comfortable to use. Powerful 3.6-amp motor. Removable depth guide; adjusts, attaches/detaches in seconds. Accepts 1/4" and 1/8" collets directly, no adapters required. 10' power cord. Kit includes rotary cutter, two collets, two burr bits, and general purpose bit, two drywall bits, and window/door opening bit, circle cutter, depth guide, wrench and rugged storage case. One year manufacturer's warranty.

Cat. No.	Description	Each
144-638	Rotary Cutter Kit, 115VAC	$149.00

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Panasonic



2.4V Cordless Screwdriver Kits

- Adjustable torque: 3.5-26 in./lbs.
- Converts from stick to pistol form
- Accepts 1/4" hex drive bits

Powerful, lightweight screwdriver features forward and reverse operation, two speeds (200/400 rpm) and six clutch settings. 2.4V battery pack. **271-503** comes with a standard one-hour charger and battery pack. **271-622** comes with a 15-minute charger and battery pack. Both models include one slotted and two Phillips screwdriver bits which store inside charger. One year manufacturers warranty.

Cat. No.	Description	Each
271-503	Cordless Screwdriver with One-Hour Charger	$119.00
271-622	Cordless Screwdriver with 15-Minute Charger	152.00
271-021	Replacement Battery Pack	32.95
271-504	One-Hour Charger, 115VAC/2.4VDC	46.95
271-623	15-Minute Charger, 115VAC/2.4VDC	89.00

SKIL



Flexi-Charge® Cordless Screwdriver

3.6V power at 180 rpm (forward or reverse). Uses standard 1/4" hex drive screwdriver bits or double ended Phillips/slotted bit provided. 1/4" collet holds bits magnetically, uses one battery pack included.

Complete with battery pack, charger, and owner's manual. One year warranty.

Cat. No.	Description	Each
144-747	Cordless Screwdriver	$58.00
144-940	Spare 3.6V Battery Pack	19.95

JENSEN
Lifetime Guarantee

Cordless Screwdriver Accessory Set



Set of six 2" long, screwdriver bits. Contains three Phillips bits, #1, #2, #3 and three slotted bits, 1/8, 5/32, 1/4". For use with all tools with 1/4" female hex drive.

Cat. No.	Description	Each
945-373	Cordless Screwdriver Bit Set, 6 pc.	$6.95



306-872



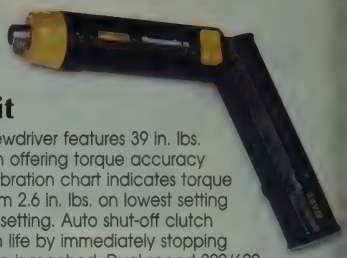
306-791

Accessory Chucks for Cordless Screwdrivers

Fits all cordless drivers that accept 1/4" hex drive bits. **Offset Driver** allows fastening and removal of screws in channels, under edges or in any area where a regular screwdriver cannot fit. **Keyless Chuck** with 3/8" capacity allows drilling with your cordless screwdriver.

Cat. No.	Description	Each
306-791	Offset Driver	$25.00
306-872	Keyless Chuck	10.00

Panasonic



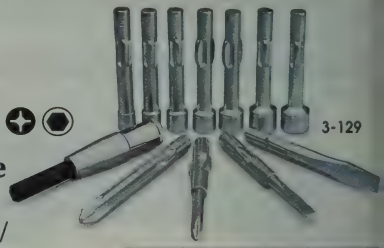
3.6V Cordless Screwdriver Kit

Powerful, compact screwdriver features 39 in. lbs. torque and 22-stage clutch offering torque accuracy within +/- 5%. Included calibration chart indicates torque for each clutch setting, from 2.6 in. lbs. on lowest setting up to 26 in. lbs. on highest setting. Auto shut-off clutch extends battery and clutch life by immediately stopping rotation once torque setting is reached. Dual speed 200/600 RPM reversible. 3.6V, 1.2Ah battery. Includes driver, 15 minute fast charger, battery pack, #1 and #2 Phillips bits. One year manufacturer's warranty.

Cat. No.	Description	Each 1-5	6-11
271-275	3.6V Cordless Screwdriver Kit	$179.00	$161.10
271-276	Replacement 3.6V Battery Pack	40.00	36.00
271-623	Replacement 15-minute Battery Charger	89.00	80.10

Battery charger will charge both 2.4 and 3.6V Panasonic brand batteries.

XCELITE



3-129

Power Drive 99 Series Screwdriver/ Nutdriver Set



3-038

This unique set is designed for use with a 1/4" hex drive cordless screwdriver. Set contains an adapter, 1/4" hex male to 99 Series female, seven nutdrivers; 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8"; two slotted screwdrivers; 3/16 and 1/4"; two Phillips screwdrivers; #1 and #2 and a plastic storage pouch.

Cat. No.	Description	Each 1-5	6-11
3-129	99 Series Screwdriver/ Nutdriver Set, 12 pc.	$26.95	$24.26
3-038	1/4" Hex-to-99 Series Adapter*	6.50	5.85

*3-038 adapts any 1/4" female hex drive tool to Xcelite 99 Series Tools on pages 231-232.



Cordura Carrying Case for Cordless Screwdrivers

Rugged soft-sided case has plenty of room for driver, charger, spare battery pack and accessories. Fits 271-503, 271-275 and 144-747 cordless drivers on this page.

Tools sold separately

Cat. No.	Description	Each
216-618	Carrying Case for Cordless Screwdrivers	$29.00



DREMEL®
Dremel Professional High-Speed Rotary Tool

Variable speed tool features electronic feedback controller enhancing performance at low and mid-speed. Digital LCD readout displays tool speed with 1000 rpm increments. 5,000 - 30,000 rpm. Up/down pushbutton speed control. "Soft Start" feature. Lightweight, balanced and ergonomic design is easy to handle. Ball bearing construction. High-volume fan and replaceable motor brushes. 10' power cord. 10-piece accessory assortment and rugged storage case. Five year manufacturer's warranty.

Cat. No.	Description	Each
22-981	Professional High-Speed Rotary Tool	$175.00

DREMEL®
Engraver

Marks tools, equipment, materials of all kinds, even glass. Easy-to-use with controls for depth of engraving. High-speed reciprocating motor provides 7200 strokes/min. Nylon housing. Replaceable carbide tip.



Cat. No.	Description	Each
22-320	Engraver, 115VAC	$25.50
22-924	Replacement Carbide Tip	6.20
22-929	Replacement Diamond Tip	9.95



55-402 55-401 55-403

Drill-Out® Power Extractor Sets

Drill and extract up to grade 8 bolts, class 5.6 to 10.9 and stainless steel. The drill point eliminates walking, no centering tools needed. Use with 3/8" VSR drill. **55-401** includes sizes 1/4"/M6, 5/16"/M8, 3/8"/M10, 1/2"/M12. **55-402** includes sizes #5/M3, #8/M4, #10/M5 and 1/4"/M6. **55-403** includes all the above bits. Compact storage case included.

Cat. No.	Description	Each 1-5	6-11
55-401	Regular Drill-Out Set	$69.95	$62.96
55-402	Micro Drill-Out Set	59.95	53.96
55-403	Master Drill-Out Set	99.95	89.96



DREMEL®
MultiPro High Speed Rotary Tool Kit

➥ **Includes rotary cutter attachment - great for cutting walls for outlet boxes**

Variable speed, 5,000-35,000 rpm. Fingertip control allow operator to match speed to work being done. Universal motor with sealed ball bearings keeps motor running cool under load. Comfort grip for better control and easier handling. Replaceable motor brushes. 40-piece accessory kit, user's guide and durable molded case.

Optional accessories greatly enhance the versatility of your MultiPro:

22-225 Flex-Shaft Handpiece: 36" long with 1/2" slim handpiece for comfortable work in hard-to-reach places. Optional tool stand (below) recommended.

22-222 Tool Stand: Suspends MultiPro tool above work area for convenient use with Flex-Shaft handpiece.

22-212 Drill Press Stand: Coverts your MultiPro into a bench drill press. Rack & Pinion tool feed. Easily converts to horizontal tool stand.

22-500 Collet Set: 4pc., 1/32" - 1/8" collets for fine drilling.

22-690 Cut-Off Wheel Assortment: 63 assorted cut-off wheels and mandrels. Cuts steel, plastics, composites, etc.

Cat. No.	Mfr. No./Description	Each
418-950	3962-01 MultiPro Kit	$130.00
22-225	225 Flex-Shaft Handpiece	39.50
22-222	2222 Tool Stand	39.50
22-212	212 Drill Press Stand	59.00
22-500	Collet Set, 4pc	10.95
22-690	690 Cut-Off Wheel Assortment, 63pc	15.50

X-OUT Damaged Screw Remover Set

Quickly and easily removes fasteners with damaged screw heads. Designed to be used with standard 3/8" or larger power drill/drivers. Unique design plows into the screw and turns it out in one operation. No drilling required. Works with many screw types including Phillips, Torx, Robertson, One-way, etc. Includes three different sizes and molded storage case.



Cat. No.	Description	Each
55-201	X-OUT Damaged Screw Remover Set	$24.95

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Makita

Power Screwdriver Accessories



➥ Expand the usefulness of your cordless drill

Finder/Driver™ Screwstarter Set: Interchangeable magnetic bits hold the screw head, retracting shroud steadies the screw body. Set includes long and short Finder/Driver, two #2 Phillips, one #1 Phillips, 6-8 slotted bits, 1/4" nutsetter.

25-Piece Power Screwdriver Accessory Pack: Quad-Driver™ allows quick bit change. Use with power screwdriver or included handle. Includes Quad-Driver shaft, manual handle, two reversible bit holders, stubby Finder/Driver, "Vision" Finder/Driver, Finder/Driver adapter for use with Quad-Driver, 1/4" nutsetter and 18 Phillips, slotted, Torx and Robertson bits. Durable plastic storage case.

Cat. No.	Description	Each
882-810	Finder/Driver Screwstarter Set	$16.50
882-823	Power Screwdriver Accessory Pack, 25 pc.	49.50



Milwaukee

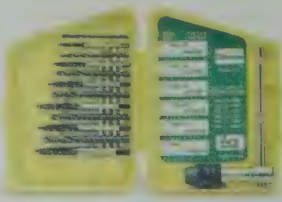
PathFinder™ Multi-Angle Wood-Boring Bit Sets

Unique design employs six different cutting edges, allowing the bit to cut forward, backward and on all sides. Cuts straight and curved holes up to 90° with ease. Also channels, grooves, mortises and counterbores. Produces precise, clean holes in wood, composites, chipboard, plasterboard and hard plastics. Drills 2-3X faster than spade bits. Easy to re-sharpen with hand file or grinding stone.

Cat. No.	Description	Sizes	Each
306-800	PathFinder Bit Set, 5 pc.	1/4, 1/2, 3/4, 1 and 1 1/4"	$109.00
306-801	PathFinder Bit Set, 3 pc.	1/2, 3/4, 1"	65.00

HANSON®

Drill and Tap Set



Tap: 4-40NC, 6-32NC, 8-32NC, 10-24NC, 10-32NF and 1/4-20NC T-handle tap wrench. Hinged plastic case with chart showing matching drill for each tap.

Cat. No.	Description	Each 1-5	6-11
146-700	Drill and Tap Set, 13 pc.	$23.00	$20.70

STANLEY
CONTRACTOR GRADE™



217-020



217-010

Drill & Drive System

➥ Change bits twice as fast as conventional chucks

Chuck in quick-change connector and included bits and drivers change in a snap. Works with any drill.

217-010 15 Piece set includes 1/4" quick-change connector, 1/16, 5/64, 3/32, 7/64, 1/8, 5/32, 3/16" quick-change drill bits, Phillips #1, #2, #3; Slotted 5-6, 6-8; Robertson #1, #2 2" long bits. Fitted case.

217-020 25 Piece set includes 1/4" quick-change connector; two each 1/16, 1 1/8, 3/16" quick-change drill bits, one each 5/64, 3/32, 7/64, 9/64, 5/32 drill bits; Phillips #1, #2, #3; slotted 5-6, 6-8; Robertson #1 x 1"; screw guide; #10 x 1/8" reversible countersink insert with Philips #2; drill and drive body; two replacement 7/64" drill bits. Fitted case.

Cat. No.	Description	Each
217-010	Drill and Drive System, 15 pc.	$32.00
217-020	Drill and Drive System, 25 pc.	49.50



DREMEL®

Tungsten Carbide Cutters

Outlast high-speed steel cutters many times over. Shanks are 1/8" diameter and heads do not exceed 1/8" across. Specify style desired (by number). Also available in a 5 piece set containing the five cutters marked with an *.

Cat. No.	Description	Each
22-925	Tungsten Carbide Cutter Set, 5 pc.	$31.95
Specify per above	Tungsten Carbide Cutter	6.50

Variable Pitch Hole Saws

GREENLEE

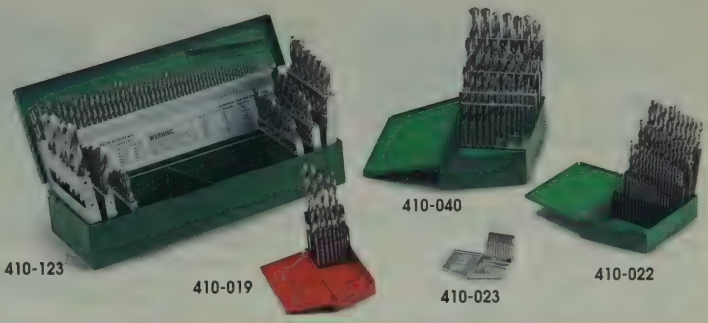
Cobalt teeth cut clean, accurate holes in steel, fiberglass, wood and plastics. Saws are 1 5/8" deep with plug knock-out slots. **64-830** saw sizes: 7/8, 1 1/8, 1 3/8, 1 3/4, 2 and 2 1/2". **64-834** saw sizes: 3, 3 5/8, 4 1/8, and 4 1/2". Both sets include three arbors with replaceable pilot drills, 1/4" chuck and 5/16" hex shafts. Spring loaded arbor.



Cat. No.	Description	Each 1-5	6-11
64-830	Standard Hole Saw Kit	$108.00	$97.20
64-834	Large Hole Saw Kit	155.00	139.50

HANSON®
High Speed Drill Sets

Constructed of the finest high speed steel. All sets include indexed metal storage cases.
410-123: 115-Piece Set includes fractional, wire gauge number and letter drill bits. Sizes 1/16 to 1/2" by 64ths, #1 through #60 wire gauge sizes and letter sizes A-Z.
410-040: 29-Piece Set includes sizes 1/16 to 1/2" by 64ths. For 1/4" or larger chucks.
410-022: 60-Piece Set includes #1 to #60 drill bits.
410-019: 13-Piece Set includes 1/16 to 1/4" drill bits.
410-023: 20-Piece Precision Drill Set includes hard-to-find very small sizes. Includes #61 down to #80 (0.039 - 0.0135") drill bits.



Cat. No.	Description	Each 1-5	6-11
410-123	High Speed Drill Set, 115 pc.	$199.95	$179.96
410-040	High Speed Drill Set, 29 pc.	81.50	73.35
410-022	High Speed Drill Set, 60 pc.	56.00	50.40
410-019	High Speed Drill Set, 13 pc.	$15.50	$13.95
410-023	High Speed Precision Drill Set, 20 pc.	25.95	23.36

Unibit®
Drill-Tree Step Drills



➥ **Super-hard titanium-nitride coated, stays sharper longer**
403-337 drills 13 different hole sizes in 1/32" increments.
403-133 drills 9 different hole sizes in 1/16" increments.

Cat. No.	Description	Range	Step Depth	Shank Size	Each 1-5	6-11
403-337	Step Drill	1/8 - 1/2"	1/8"	1/4"	$29.50	$26.55
403-133	Step Drill	1/4 - 3/4"	1/8"	3/8"	50.50	45.45

Unibit®
Step Drills

Set contains 3 bits: #1 drills, 13 sizes in 1/32" increments in 1/8" material, #2 drills, 6 sizes in 1/16" increments in 3/8" material and #3 drills, 9 sizes in 1/16" increments in 1/8" material. Use in 3/8" power drills.



Cat. No.	Description	Range	Each 1-5	6-11
131-502	Unibit Set, 3 pc.	1/8 - 3/4"	$74.75	$67.28
131-231	Unibit #1	1/8 - 1/2"	21.50	19.35
131-232	Unibit #2	3/16 - 1/2"	21.95	19.76
131-233	Unibit #3	1/4 - 3/4"	37.00	33.30

HANSON®
Metric Drill Bit Sets

Finest high speed steel. Jobbers length.
131-001: 13-Piece Set 1.5mm to 7.5mm by 0.5mm. Plastic indexed storage case.
131-002: 25-Piece Set 1.5mm to 13mm by 0.5mm. Metal indexed storage case.



Cat. No.	Description	Each 1-5	6-11
131-001	Metric Drill Bit Set, 13 pc.	$18.00	$16.20
131-002	Metric Drill Bit Set, 25 pc.	75.00	67.50

DEWALT
Pilot Point® Drill Bit Set



➥ **No walking, no spinning, no breaking**
➥ **The perfect tool-kit addition**

Split-point tip starts holes on contact to eliminate bit walking. Drills faster than standard bits. Patented recessed cutting wings drill clean, round holes without burrs. Shank features three machined flat surfaces to eliminate chuck spinning. Tapered web provides greater durability to reduce breaking. Permanent size markings. Includes heavy-duty canvas roll-pouch with positive locking strap. 1/16 to 1/2" sizes.

Cat. No.	Description	Each
836-959	Pilot Point Drill Bit Set, 19pc	$49.95

Bit Keeper Drill Bit Storage Case

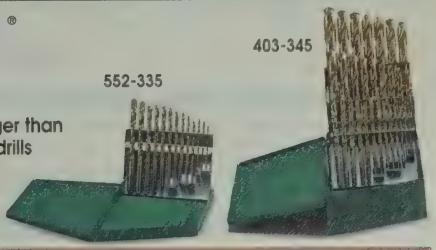


Holds most 29pc drill bit sets. High-impact polymer case with air-tight cap prevents bit rust and damage to other tool-kit items. Attaches to belt with molded clip. Size index from 1/16 to 1/2".

Note: Drill bits sold separately. See 410-040 29pc drill bit set, this page.

Cat. No.	Description	Each
489-003	Bit Keeper Drill Bit Storage Case	$10.95

HANSON®
Titanium Drill Sets



➥ **Lasts 6X longer than high speed drills**

1/64" size increments. Complete with indexed holder.

Cat. No.	Description	Range	Each 1-5	6-11
552-335	Titanium Drill Set, 13 pc.	1/16 - 1/4"	$39.95	$35.96
403-345	Titanium Drill Set, 29 pc.	1/16 - 1/2"	207.00	186.30

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690


EC1002 Analog


WS80 Analog


WSD80 Digital


EC2002M Digital

Temperature-Controlled Soldering Stations

- Digital or Analog Models
- Silver-Series - Fast Recovery, More Power

All stations offer electronic temperature control, dial adjustable from 350 to 850°F with +/- 10°F accuracy. Analog display or digital models which monitor and display tip temperature. MIL-STD-2000 compliant. **Silver-Series Stations** offer greater power and 10% faster thermal recovery time for fast repetitive soldering of high-mass components. Includes handpiece stand with cleaning sponge.

Cat. No.	Mfr. No./Description	Iron Included	Each
47-110	EC1002-1 Analog Station, 115VAC	EC1201A, 40W	$255.00
47-310	EC1002-2 Analog Station, 115VAC	EC1302A, 20W	255.00
47-506	EC1002-ID Analog Station, 230VAC	40W	284.00
47-080	WS80 Silver-Series Analog Station, 115VAC	WSP80, 80W	259.00
47-200	EC2002M-1 Digital Station, 115VAC	EC1201A, 40W	343.00
47-400	EC2002M-2 Digital Station, 115VAC	EC1302A, 20W	348.00
47-222	EC2002M-ID Digital Station, 230VAC	40W	375.00
47-081	WSD80 Silver-Series Digital Station, 115VAC	WSP80, 80W	348.00
47-502	EC1201A Iron only, 40W	–	107.00
47-504	EC1302A Iron only, 20W	–	107.00
47-083	WSP80 Iron only, 80W (for Silver-Series Stations Only)	–	109.95

EC1201A


EC1302A

WSP80

115VAC 230VAC

Replacement Tips for EC1302A Only

Cat. No.	Mfr. No./Description	Each 1-4	5-11
47-101*	EPH101 Micropoint Tip, 1/64"	$5.75	$4.60
47-103	EPH103 Single Flat Tip, 1/32"	5.75	4.60
47-107	EPH107 Screwdriver Tip, 5/64"	5.75	4.60
47-525	EPH111 Screwdriver Tip, .04"	5.75	4.60
47-106	EPH106 Screwdriver Tip, .06"	5.75	4.60

*Tip included with iron

Replacement Tips for EC1201A and WES50

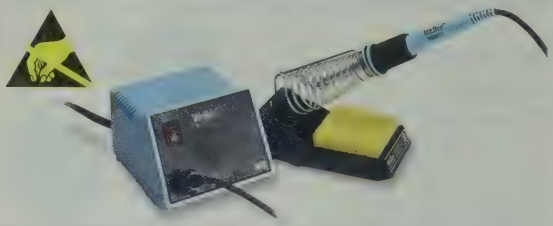
Cat. No.	Mfr. No./Description	Each 1-4	5-11
47-850*	ETA Screwdriver Tip, 1/16"	$5.95	$4.76
47-851	ETB Screwdriver Tip, 3/32"	5.95	4.76
47-852	ETC Screwdriver Tip, 1/8"	5.95	4.76
47-853	ETD Screwdriver Tip, 3/16"	5.95	4.76
47-854	ETP Conical Tip, 1/32"	5.95	4.76
47-526	ETS Long Conical Tip, .01"	5.95	4.76

*Tip included with iron

Replacement Tips for WSP80 Only

Cat. No.	Mfr. No./Description	Each 1-4	5-11
47-084	LTIS Precision Point Tip, 0.20mm	$6.95	$5.56
47-085*	LTA Conical Tip, 1.6mm	6.95	5.56
47-086	LTAS Screwdriver Tip, 1.6mm	6.95	5.56
47-087	LTO Screwdriver Tip, 4.5mm	6.95	5.56
47-088	LTH Long Conical Tip, 0.8mm	6.95	5.56

*Tip included with iron



WTCPT Controlled Output Soldering Station

Closed loop transformer system automatically controls output to the soldering pencil. Temperature is controlled by selection of proper heat sensing tips (600, 700, or 800°F tips). Complete with base unit, plug in pencil iron, detachable iron stand with sponge and 700°F soldering iron tip. 115VAC

Cat. No.	Mfr. No./Description	Each
47-045	WTCPT Soldering Station with Iron	$138.50
47-261	TC201T Handpiece only	83.50
47-005	Replacement Sponge	3.50

Replacement Tips for TC201T Iron (Screwdriver-Shaped)

Temp.	1/16" Dia.	3/32" Dia.	1/8" Dia.	5/16" Dia.	Each
600°	47-221	–	47-237	47-245	$5.95
700°	47-223	47-231	47-239	–	5.95
800°	47-225	47-233	47-241	47-249	5.95



115VAC 230VAC

WES50 Soldering Station

Economical station with 50-watts of power, quick heat-up and fast thermal recovery. 350-850°F temperature range. Cordless temperature lockout and tip temperature calibration. Automatic shutoff after 99 minutes of inactivity. Slim, comfortable handpiece. ESD-safe. Uses all ET-series tips on this page.

Cat. No.	Mfr. No./Description	Each
47-050	WES50 Soldering Station, 115VAC	$125.00
47-052	WES50 Soldering Station, 230VAC	129.00



47-723





47-263

JENSEN® Soldering Iron

115VAC 230VAC

➥ Quick-change heater

Small, lightweight cushioned grip handle. Long life iron-plated tips for greater efficiency. Ideal for a wide variety of electronic and electrical work. Replacement heaters (25W and 35W) and tips available. 3-wire power cord.

Cat. No.	Description	Wattage	Voltage	Each
47-723	Soldering Iron with ST3 Tip	25W	115VAC	$31.00
47-220	Soldering Iron with ST3 Tip	25W	230VAC	40.00
47-725	Replacement Heater f/47-723	25W	115VAC	12.95
47-735	Replacement Heater f/47-723	35W	115VAC	15.25
47-736	Replacement Heater f/47-220	25W	230VAC	17.95
47-006	Knurled Nut Tip Retainer	–	–	3.75
47-263	Stand w/Sponge for 47-723 & 47-220	–	–	26.00
578-605	Soldering Iron Cover	–	–	9.00

Cat. No.	Mfr. No./Replacement Tips	Reach	Each 1-4	5-11
47-235	ST1 Screwdriver Tip	1/16"	$5.75	$4.60
47-243	ST3 Screwdriver Tip (incl. w/iron)	1/8"	5.75	4.60
47-251	ST5 Single Flat Tip	1/32"	5.50	4.40
47-253	ST7 Conical Tip	1/32"	5.50	4.40



11-710



11-701
11-700

American Beauty Resistance Soldering System

Generates instant heat at the connection without damage to adjacent heat-sensitive materials. Heat is produced only when tweezer electrodes are in contact with the connection to be soldered. Power unit provides variable temperature control. Tweezer handpieces sold separately below. 115VAC

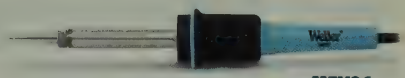
111-710 Regular Handpiece: For use with 111-701 power unit only. For connections up to 3/8" diameter. 0.078" diameter electrodes.

111-702 Medium Handpiece: For use with 111-701 or 111-700 power units. For connections up to 1/2" diameter on heavy-guage wire, terminals, lugs and posts. 0.125" diameter electrodes.

409-501 Micro Handpiece: For use with 111-701 power unit only. For wire 22-guage and finer. 0.040" diameter electrodes.

Cat. No.	Description	Each
111-701	Power Control Unit, 100-watt	$225.00
111-700	Power Control Unit, 250-watt	295.80
111-710	Regular Handpiece	108.30
111-702	Medium Handpiece	188.30
409-501	Micro Handpiece	130.00
111-711	Replacement tips, Regular Handpiece, pk/6	14.00
111-715	Replacement tips, Medium Handpiece, pk/6	47.00
113-091	Replacement tips, Micro Handpiece, pk/6	9.00
111-707	Optional footswitch for Power Control Units	40.00

Weller® Controlled Output Soldering Irons



115VAC 230VAC

➥ 60 or 100W ➥ 2 or 3-wire cord for 60W model

Lightweight and portable iron. Control output and temperature selection by changing tips. Complete with 700° tip.

Cat. No.	Mfr. No./Description	Wattage/Cord	Voltage	Each
47-060	W60P Iron	60W 2-Wire	115VAC	$65.95
47-063	W60P-3 Iron	60W 3-Wire	115VAC	80.00
47-135	W100P-3 Iron	100W 3-Wire	115VAC	82.00
47-064	W60PD-3 Iron	60W 3-Wire	230VAC	71.25
47-136	W100PD-3 Iron	100W 3-Wire	230VAC	82.25

Cat. No.	60W Replacement Tips	Each 1-4	5-11
47-516	1/16" Screwdriver Tip, 600°F	$6.95	$5.56
47-517	1/8" Screwdriver Tip, 700°F	6.95	5.56
47-507	1/16" Screwdriver Tip, 700°F (incl. w/iron)	6.95	5.56
47-528	1/4" Screwdriver Tip, 800°F	6.95	5.56
47-518	1/8" Screwdriver Tip, 800°F	6.95	5.56
47-508	1/16" Screwdriver Tip, 800°F	6.95	5.56

Cat. No	100W Replacement Tips	Each 1-4	5-11
47-530	1/4" Screwdriver Tip, 800°F	$8.50	$6.80
47-531	3/8" Screwdriver Tip, 700°F (incl. w/iron)	8.50	6.80

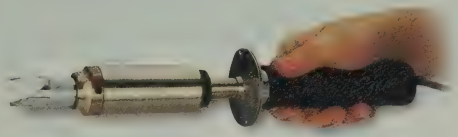


Weller® Pencil-Thin Miniature Iron

12W miniature iron is lightweight (less than 7 oz.) and pencil thin. Ideal for soldering heat and voltage sensitive components where a precision touch is essential. Delivers a tip temperature of 800°F and accommodates a complete range of slide-in tips. Comes with 1/2" .020" micro point tip, stay cool handle and 3-wire cord. 115VAC.

Cat. No.	Mfr. No./Description	Each 1-5	6-11
47-120	WM120 Miniature Iron	$45.95	$41.36

Cat. No.	60W Replacement Tips	Reach	1-5	6-11
47-105	.020" Micro Point Tip (incl. w/iron)	1/2"	$6.75	$6.08
47-109	.032" Spade Tip	1/2"	6.75	6.08
47-115	.062" SpadeTip	1/2"	6.75	6.08



American Beauty High-Wattage Soldering Irons

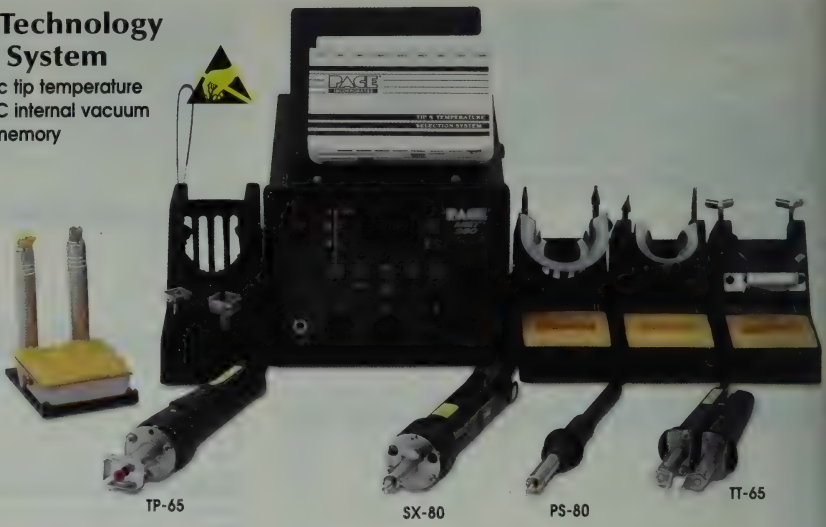
Heavy-duty soldering irons for applications requiring maximum heat transfer. Applications include electrical, maintenance, copper sweating, telephone, aviation, military and antenna work. 3-wire cord. Irons come with iron-clad, nickel-plated tips. 115VAC.

Cat No.	Mfr. No./Description	Watts	Tip Shank Diam.	O.A. Length	Price
111-759	3138-100 Iron	100	3/8"	12 7/8"	$115.00
111-760	3138-150 Iron	150	3/8"	12 7/8"	115.00
111-762	3158-200 Iron	200	5/8"	13 5/8"	145.00
111-763	3178-300 Iron	300	7/8"	14 3/8"	200.00

MBT 250-SDPT Multi-Technology Assembly and Repair System

- ESD-safe
- Automatic tip temperature
- Constant memory
- SNAP-VAC internal vacuum
- Temperature settings retained in memory

This microprocessor-controlled soldering station has an array of SensaTemp handpieces for complete process controlled SMT/Thru-Hole assembly, rework and repair of single and multi-layer boards. Meets or exceeds all applicable military and civilian EOS/ESD, temperature and electrical safety standards. Temperature Range: 38-482°C (100-900°F) ±1°C/F with easy keyboard temperature selection and large digital display. Features include variable temperature, closed-loop heater control, low temperature/high capacity heat transfer, instant response/quick rise vacuum controlled shot air flow.



MBT 250-SDPT System includes the following four handpieces:

TP-65 ThermoPik handpiece provides high thermal efficiency at the joint for safe, rapid reflow and removal of a wide variety of PQFPs and FlatPacks.

SX-80 high capacity Sodr-X-Tractor provides safe, rapid desoldering of multilayer thru-hole joints as well as surface mount applications.

PS-80 Sod-R-Pen soldering iron provides wide range of SMD installation and removal capability as well as unsurpassed performance on multilayer thru-hole assemblies.

TT-65 ThermoTweez handpiece provides safe one-handed reflow and removal of PLCCs and other components. High thermal capacity and targeted heat remove large SMDs in seconds without damage to the board or adjacent components.station, accessory kit, VisiFilter, tip and temperature selection system and instruction/operation manual.

Also included: dual handpiece cubby for the PS-80 and SX-80, dual air handpiece cubby for TP-65, TT65 ThermoTweez hot cubby, tip maintenance

Optional **TJ-70 Mini-ThermoJet** provides focused heated air directly to the solder joint for installation of SOTs, SOICs, PLCCs, LCCCs, FlatPacks and other SMD components. 115VAC, 50/60 HZ.

Cat. No.	Mfr. No./Description	Each
176-250	MBT 250-SDPT Assembly and Repair System	$1680.00
176-650	TJ-70 Optional Mini-ThermoJet	262.50

MBT 201-SD Solder/ Desolder System

- Meets ESD requirements
- Self-contained vacuum



High performance soldering and desoldering system with two closed loop Sensor Temp. channels for temperature stability within ±2°F. Responds instantly to thermal demands and applies the exact amount of energy required for the job. Controllable pressure port provides precise air flow for optional ThermoJet handpiece. SnapVac port for Sodr-X-Tractor and ThermoPik operation. LED duty cycle indicators signal the power level of each handpiece in operation. uses same options as the MBT 250-DPT, shown above*.

Temperature variable from 450-900°F, includes PowerBase, SX-80 Sodr-X-Tractor and PS-80 Soldering iron. 115VAC. 60Hz.

Cat. No.	Mfr. No./Description	Each
176-201	MBT 201-SD Solder/Desolder System	$867.00



MBT 250-SD Solder/Desolder Station

This station is similar to the MBT 250-SDPT system, but comes with the PS-80 soldering iron, the SX-80 Sodr-X-Tractor plus the dual handpiece cubby. Can be upgraded to a MBT 250-SDPT by adding the necessary handpieces and cubbies*. 115VAC, 60Hz.

Cat. No.	Mfr. No./Description	Each
176-210	MBT 250-SD Solder/Desolder Station	$1275.00

*For a complete list of available tips, handpieces and replacement parts for all Pace MBT series stations, call Jensen's FaxBack® at 602-453-2671. Request document #176250.

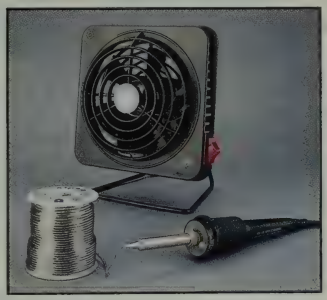


PACE
ST 75-SX Self-Contained Analog Desoldering Station

Auto Snap-Vac feature for improved desoldering performance and extended tip life. Quick-glance temperature indicator allowing operator temperature verification from a distance. Adjustable F/C temperature control dial. Quiet vacuum pump delivers 20 in/Hg vacuum and 21 PSI pressure nominal. 200 ms average vacuum rise time. 0.22 SCFM air flow maximum. 400-850°F tip temperature with +/-2°F stability at idle from set tip temp. Includes SX-80 desoldering handpiece. 115VAC 50/60Hz.

Cat. No.	Mfr.No./Description	Each
176-075	ST 75-SX Analog Desoldering Station	$615.00

For complete specifications and available tips, call Jensen FaxBack® at 602-453-2671. Request document #176250.



Personal Bench Fan

- Dissipates Irritating Fumes and Vapors Away From You
- Compact size
- 130 cfm

This benchtop fan helps dissipate vapors, smoke, and fumes of soldering, gluing, cleaning solvents—any irritating vapor. Compact size: 7 1/2" H x 6" W x 4 1/2" D, doesn't take up valuable bench space. Whisper-quiet, 2-speed vibration-free motor. Adjustable stand directs airflow. 115VAC. Consumes only 1/2 the electricity of a 60W light bulb. Comes with 8 ft. cord, on/off switch, and 1-year warranty.

Cat. No.	Description	Price
400-429	Personal Bench Fan	$37.20

HAKKO
Smoke Absorber

- ESD-safe
- Lightweight and compact for bench-top use

Designed to reduce soldering smoke and fumes, drawing them away from operators and absorbing them in an activated carbon filter. Fully adjustable, low-noise, high performance fan. Complete with easy-to-replace filter. 115VAC. 8.7 x 10.6 x 6.6".



Cat. No.	Description	Each
578-493	Smoke Absorber	$105.00
578-331	Replacement Filter	22.00

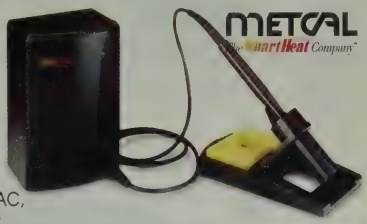


HAKKO
936 Soldering Station

Compact soldering station is designed to use a minimum of work surface area with its small 4.7 x 6.7" footprint. Stackable design. Variable temperature adjusts from 400-900°F with a stability of ±0.9°F. Celsius and Fahrenheit temperature calibrations. ESD-safe with tip-to-ground potential under 2mV. Handpiece with 50W ceramic heater. Lock-screw mechanism prevents inadvertent changes in temperature setting. MIL-STD-2000 compliant. 115VAC. One year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
578-936	936 Soldering Station	$145.00
578-108	Replacement Tip, 0.031" Screwdriver	7.75
578-109	Replacement Tip, 0.063" Screwdriver	6.50
578-110	Replacement Tip, 0.020" Conical	6.00

For complete specifications and available tips, call Jensen FaxBack® at 602-453-2671. Request document #578936.



SP200 Soldering System

System includes power supply, handpiece assembly, handpiece stand with sponge and tipremoval pad. 100-130VAC, 45-70Hz. Maximum output: 35W. Output frequency: 470Khz. FCC, UL and CSA approved. Two-year warranty on power supply, one-year on handpiece. 4.25" x 3.5" x 6.7".

9-200 Does not include tips, sold separately.

9-220 Includes three tips: 1/8" 90° 700-series chisel, 1/32" 30° 700-series chisel and 1/16" 30° 700-series chisel.

Cat. No.	Description	Each
9-220	SP200 Soldering System w/Tips	$377.00
9-200	SP200 Soldering System w/o Tips	320.00

For complete specifications and available tips, call Jensen FaxBack® at 602-453-2671. Request document #9220.



HAKKO
808 Desoldering Tool

- Self-contained with built-in vacuum pump

Adjustable temperature control (715-895°F). Completely portable with simple tool maintenance. Double-cylinder diaphragm pump is designed to minimize vibration and maximize solder removal. <2mV nozzle-ground potential difference and <2Ω nozzle-ground resistance. Includes replacement filters, .04" desoldering tip, and case. 115VAC. 6.7" x 9.3". One year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
417-259	808 Desoldering Tool	$199.00
578-104	Replacement Tip, .03"ID, .09"OD	13.75
578-105	Replacement Tip, .04"ID, .10"OD	13.75
578-106	Replacement Tip, .05"ID, .12"OD	13.75
578-107	Replacement Tip, .06"ID, .12"OD	13.75

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690



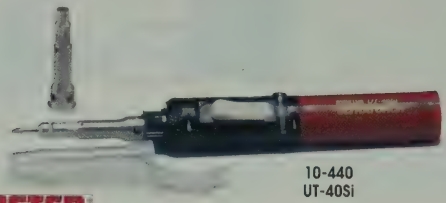
10-400
UT-100Si

Ultratorch UT-100Si

➥ Self-igniting

Push-button piezoelectric ignition system provides convenient operation. Adjustable heat for numerous applications. Includes soldering tip, heat tip, heat shrink attachment, protective cap, spanner wrench and open end wrench. 180 minute run time.

Cat. No.	Mfr. No./Description	Length	Each
10-400	UT-100Si Ultratorch	9 1/2"	$112.00
10-040	Optional Metal Case	-	22.75
10-701	Soldering Tip, Needle, 1mm	-	14.25
10-702	Soldering Tip, Chisel, 3.3mm	-	14.25
10-703	Soldering Tip, Spade, 2mm	-	14.25
10-704	Soldering Tip, Spade, 3mm	-	14.25
10-715	Flameless Heat Tip, 1.59mm	-	17.00
10-716	Flameless Heat Tip, 3.3mm	-	14.25



10-440
UT-40Si

Ultratorch® UT-40Si

UT-40Si is an economical, industrial grade combination soldering iron and heat tool. Lightweight and rugged. Single slide, self-igniting, piezo-electric ignition. Adjustable temperature range equals that of a 30-80 watt soldering iron. Includes protective cap, soldering tip and a flameless heat tip. 75 minute run time.

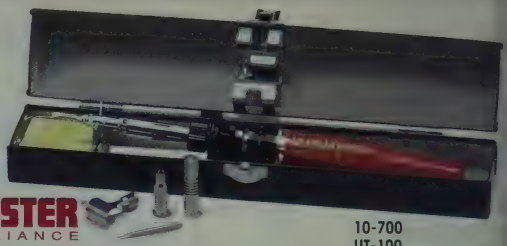
Cat. No.	Mfr. No./Description	Each
10-440	UT-40Si Ultratorch	$71.00
10-441	Replacement Solder Tip, 1mm	17.50
10-442	Replacement Solder Tip, 2.4mm	17.50
10-443	Replacement Heat Tip, 4.7mm	17.50
10-444	Replacement Heat Tip, 1.6mm	21.50



MicroTorch™ MT-51

[illegible] for soldering, desoldering, heat shrinking [illegible] stable broad to pinpoint flame with [illegible] to 2500°F. Self-igniting switch. Runs [illegible] hours on a full charge of butane. Operate hand-held or table mount with wide, stable base.

Cat. No.	Mfr. No./Description	Length	Each
10-500	MT-51 Microtorch	6.1	$36.00



10-700
UT-100

Ultratorch UT-100

➥ 3-in-1 heat tool ➥ Long lasting heat

Standard model includes flameless heat tip, torch tip, solder tip, heat shrink attachment, tip cleaner sponge and spanner wrench in a metal storage box. 120 minute run time.

Cat. No.	Mfr. No./Description	Length	Each
10-700	UT-100 Ultratorch	9 1/2"	$120.00



10-050
UT-50

Mini Ultratorch UT-50

➥ 3-in-1 heat tool

Pocket-sized tool. Includes solder tip, flameless heat tip and protective cap. 20 minute run time.

Cat. No.	Mfr. No./Description	Length	Each
10-050	UT-50 Ultratorch	6 3/4"	$92.00
10-071	Replacement Solder Tip, 2mm	-	13.25
10-072	Replacement Solder Tip, 1mm	-	13.25
10-101	Flameless Heat Tip, 1.5mm	-	15.75
10-152	Flameless Heat Tip, 4.7mm	-	16.00



60-200
PSi-100K

60-181
P1K

Weller® portasol® Butane Powered Tool Sets

Tools operate as a cordless soldering iron, open-flame torch, flameless heat tool and hot knife. Sets include tips for all four functions. Fully adjustable heat source. Shipped empty.

P1K Kit includes standard Portasol tool, 2.4mm solder tip, hot air tip, blow torch tip, hot knife tip, tip sponge, stand, lighter/cap and case.

PSi-100K Kit operates up to two hours per charge and features piezoelectric ignition and visible fuel level. Includes 3/32" and 3/16" soldering tips, flameless heat tip, hot knife tip, tip sponge and case.

Cat. No.	Mfr.No./Description	Each
60-181	P1K Portasol Kit	$64.50
60-141	P1 Portasol Tool Only	42.25
60-200	PSi-100K Portasol Kit	91.50

Jensen stocks a complete line of replacement tips for Weller Portasol butane tools. Call FaxBack at 602-453-2671. Request document number #60181.

MASTER APPLIANCE

MICROPRO™ Cordless Soldering Iron



Compact, lightweight and perfect for field service and repair. Powered by 3-AA alkaline batteries (included) providing 60-minutes continuous-duty runtime. Fast start-up, reaches 361ºF in 10 seconds, max 932ºF. Quick-change plug-in tips incorporate built-in heater. Includes 0.5mm conical tip, 1.5mm chisel tip, safety cap and tip change tool.

Cat. No.	Description	Each 1-5	6-11
10-030	Micropro Cordless Soldering Iron	$72.00	$64.80
10-031	Replacement Tip, 0.5mm Conical	15.95	14.36
10-032	Replacement Tip, 1.5mm Chisel	15.95	14.36
10-033	Replacement Tip, 1.8mm Spade	15.95	14.36

For replacement batteries, see page 311.



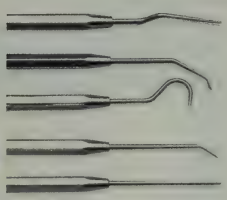
Solder sold separately

HAKKO Solder Reel Stand

Neat and convenient dispensing of solder. Holds 1-lb. solder spools. ESD-safe construction. Non-slip feet keep stand firmly on workbench.

Cat. No.	Description	Each 1-5	6-11
578-611	Solder Reel Stand	$15.25	$13.73

Moody® Soldering Probe Set



Single ended stainless steel probes. Solder won't adhere. Hexagon shape in vinyl pouch.

Cat. No.	Description	Each 1-5	6-11
97-655	Probe Set, 5 pc.	$13.25	$11.93

Solder Aid Kit



Includes standard and miniature reamer/fork, angled reamer/fork, brush/scraper, vinyl case.

Cat. No.	Description	Each
44-120	Solder Aid Kit	$26.50

KESTER

Flux Pen



Activated rosin flux is applied with chisel point felt pen. Spring loaded valve dispenses the right amount of flux, then closes to prevent drying.

Cat. No.	Description	Each 1-5	6-11
35-186	Flux Pen	$6.25	$5.63

ISOTIP

Cordless Irons

161-100
161-760



Irons run on Ni-Cad rechargeable batteries. Equivalent to 50W iron with 700°F tip.
Quick-Charge Kit (3 to 5 hours) comes with two tips – fine and heavy duty. **Fast-Charge Kit** (one hour) comes with one fine tip. **High-Efficiency Kit** recharges in four hours, provides 30 minutes of continuous soldering and comes with two high efficiency tips – fine and chisel. 115VAC.

Cat. No.	Mfr. No./Description	Each
161-100	7700 Quick-Charge Kit, 115VAC	$52.50
161-760	7764 Quick-Charge Kit, 230VAC	50.00
161-790	7904 High-Efficiency Kit, 115VAC	73.00
161-800	7800 Fast-Charge Kit, 115VAC	73.00
161-040	Replacement Battery (Quick Charge)	13.95
161-793	Replacement Battery (High-Efficiency)	21.00
161-783	Replacement Battery (Fast Charge)	21.00

High Efficiency Tips work with all Irons.

Cat. No.	Replacement Tips	Each 1-5	6-11
161-753	Regular Tip, 5/32"	$6.00	$5.40
161-755	Fine Tip, 1/16"	6.00	5.40
161-756	Micro Soldering Tip, 1/64"	6.00	5.40
161-754	Heavy-Duty Tip, 3/16"	6.00	5.40

ESD-Safe Liquid Dispenser Bottles



Polyethylene bottles are molded with a humidity-independent anti-static agent. Surface resistivity of 10^9 to 10^{10}. No chemical reactivity.
375-750 features purity pump to block contaminated fluid from flowing into container.

Cat. No.	Description	Capacity	Each 1-5	6-11
375-750	Pump-Bowl Dispenser	6 oz.	$16.95	$15.26
375-751	Flux Bottle, 26 ga. Tip	2 oz.	4.95	4.46
375-752	Flux Bottle, 20 ga. Tip	2 oz.	4.95	4.46
375-754	Squeeze Bottle	8 oz.	5.25	4.73



JENSEN® Anti-Static "D-SOD-R" Tool

➥ All metal body ➥ NSN: 3439-01-443-6654

Features evenly balanced all-metal blue body with one-hand plunger action and easy pushbutton release. Double "O" ring seals assure maximum suction for fast, efficient desoldering. 8" long. Replacement tips available.

Cat. No.	Description	Each 1-4	5-11
983-300	Anti-Static "D-SOD-R Tool"	$12.00	$9.60
46-787	Replacement Anti-Static Tip	5.50	4.95



EDSYN® Universal Soldapullt

Standard duty soldapullt. Single-handed loading. Adjustable loading stroke. 8" long.

Cat. No.	Description	Each 1-5	6-11
351-140	Universal Soldapullt	$13.50	$12.15
65-031	Replacement Tip	3.95	3.56
351-340	Low Static Universal Model	19.95	17.96
351-197	Replacement Low Static Universal Tip	6.75	6.08



EDSYN® Low Static Soldapullt

Static conductive construction provides ground path via operator, reducing discharge to sensitive components. Special material protects operator from electrical shock. 8" long.

Cat. No.	Description	Each 1-5	6-11
351-196	Low Static Soldapullt	$34.00	$30.60
351-197	Low Static Replacement Tip	6.75	6.08



EDSYN® Deluxe Soldapullt

Designed for heavy-duty, high-volume applications. 8" long.

Cat. No.	Description	Each 1-5	6-11
65-033	Deluxe Soldapullt	$24.00	$21.60
65-031	Replacement Deluxe Tip	3.95	3.56

KESTER Pocket Pack Solder

➥ 60/40 rosin core



Cat. No.	Description	Each 1-5	6-11
15-005	Pocket Pack Solder	$3.50	$3.15

Lead-Free Tip Tinner

➥ Extends tip life ➥ Increase soldering performance

Simply touch the heated tip to the dry mixture for a complete tinning. Residue free and environmentally safe. 1 oz. size has 1 7/8" diameter to accept larger surface mount tips. Self-adhesive backing for convenient placement.



Cat. No.	Description	Each 1-5	6-11
375-001	Lead-Free Tip Tinner, 1/4 oz.	$4.95	$4.46
375-002	Lead-Free Tip Tinner, 1 oz.	8.95	8.06

KESTER "44" Resin-Core Solder



➥ Meets Federal spec QQ-S-571

Furnished in 1 lb. spools. Standard core size is Kester 66.

63/37 Eutectic Solder

Contains 63% tin and 37% lead to provide a low melting temperature of 361°F. Used for soldering heat sensitive components.

Cat. No.	Diameter	Each 1-5	6-11
15-120	.025"	$16.80	$15.12
15-122	.031"	10.95	9.86
15-140	.062"	11.50	10.35

60/40 Solder

Tin content (60%). Melting temperature 370°F.

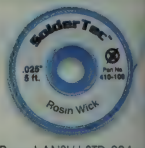
Cat. No.	Diameter	Each 1-5	6-11
15-100	.025"	$15.95	$14.36
15-102	.031"	14.25	12.83
15-104	.040"	12.75	11.48
15-108	.062"	10.95	9.86

"245" NO CLEAN 63/37 Flux Solder

Contains new generation low residue flux. Conforms to Bellcore soldering specifications. Residue left by the "245" core flux is both visually negligible and electronically safe.

Cat. No.	Diameter	Each 1-5	6-11
15-880	.031"	$13.50	$12.15

SolderTec™ Rosin Desoldering Braid



➥ ESD-Safe Spool

➥ Meets MIL-STD 2000 and DOD-STD 1686

Uses pure type "R" rosin flux conforming to MIL-F-14256, Type R and ANSI/J-STD-004.

Cat. No.	Diameter	Length	Each 1-24	25-99
410-108	.025"	5'	$1.90	$1.75
410-109	.025"	10'	3.20	2.94
410-110	.050"	5'	1.90	1.75
410-111	.050"	10'	3.00	2.76
410-112	.075"	5'	2.00	1.84
410-113	.075"	10'	3.10	2.85
410-114	.100"	5'	2.20	2.02
410-115	.100"	10'	3.50	3.22

SolderTec™ No Clean Desoldering Braid



➥ ESD-Safe Spool

➥ Meets MIL-STD 2000 and DOD-STD 1686

To be used in conjunction with RMA type no-clean fluxes. Conforms to ANSI/J-STD-004. Type LO. High SIR conforming to Bellcore specifications.

Cat. No.	Diameter	Length	Each 1-24	25-99
410-116	.025"	5'	$2.10	$1.93
410-117	.025"	10'	3.35	3.08
410-118	.050"	5'	2.10	1.93
410-119	.050"	10'	3.30	3.04
410-120	.075"	5'	2.20	2.02
410-121	.075"	10'	3.40	3.13
410-122	.100"	5'	2.50	2.30

Weller® Heat Gun

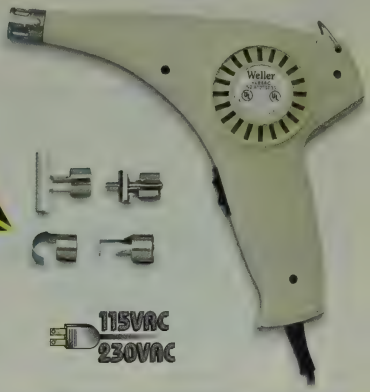
➥ **790/1200°F**

Dual temperature heat gun. Optional attachments available for special applications. 115VAC.



Cat. No.	Description	Each
46-231	Heat Gun	$61.00
46-108	Reflector for Heat Shrink Tubing	8.25
46-339	Reducer for Concentrated Heat	8.25

Weller® Princess Heat Gun



An ultra-light heat gun. High temperature of 850°F. Pistol-grip handle. Four baffle adapters. Neoprene 3-wire Hypalon cord. 250W. 13 oz.

Cat. No.	Description	Voltage	Each
46-310	Princess Heat Gun	115VAC	$134.50
46-966	Princess Heat Gun	230VAC	172.00

MASTER MITE Lightweight Heat Gun



Interchangeable heating-element nozzles, self-standing body design, safety light, hanging loop, high-impact thermo-plastic case, thermal safety switch. Airflow of 3.8 CFM at 700 FPM. Comes with 650°F nozzle element and slip-on deflector. 3-wire cord. 115VAC.

Cat. No.	Description	Temperature	Wattage	Each
10-112	Heat Gun	650°F	–	$77.50
10-061	Pin Point Adapter	–	–	13.95
10-062	Tubing Baffle	–	–	6.95
10-301	Replacement Element	500°F	325W	24.50
10-303	Replacement Element	650°F	475W	24.00
10-305	Replacement Element	800°F	525W	24.50

MASTER APPLIANCE Heavy-Duty Flameless Torches



Delivers temperatures up to 1000°F. Adjustable air intake; double-jacketed heater housing; die-cast aluminum body; and an 8' 3-wire cord. Rubber-backed base plate, $4\frac{1}{2}$ x $4\frac{1}{2}$". Delivers 19.8 CFM air volume at 2600 FPM velocity.

Cat. No.	Mfr. No.	Voltage	Temperature	Amps	Each
10-103	HG-301A	115V	300/500°F	12A	$102.00
10-106	HG-501A	115V	500/750°F	14A	102.00
10-502	HG-502A	230V	500/750°F	7A	104.50
10-751	HG-751B	115V	750/1000°F	14.5A	102.00

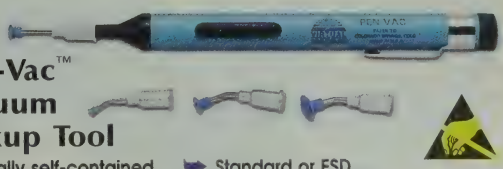
MASTER APPLIANCE Proheat® Heat Gun



Features 570° and 1050° temperature settings and airflow of 15 CFM at 3650FPM. DC permanent-magnet motor is compatible with 50-400Hz current. Compact, comfortable Lexan® housing. Enclosed ceramic heating element. Hanging loop. Oil-resistant neoprene 3-wire cordset. 115VAC.

Cat. No.	Description	Each
10-110	Proheat Heat Gun	$79.95

Pen-Vac™ Vacuum Pickup Tool



➥ **Totally self-contained** ➥ **Standard or ESD**

Lightweight brushed aluminum construction with fingertip vacuum control. Storage on one end. Comes with one straight tip, three angled tips, four vacuum cups. No batteries required.

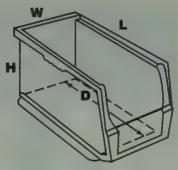
Cat. No.	Description	Each 1-5	6-11
532-891	Pen-Vac Vacuum Pickup Tool	$41.95	$37.76
532-892	ESD-Safe Pen-Vac Vacuum Pickup Tool	49.95	44.96

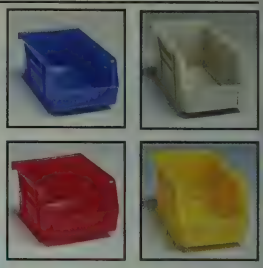
AKRO-MILS

Akro-Bins

- Heavy-duty polypropylene construction
- Water/rust/corrosion-proof
- Unaffected by weak acids and alkalis

Akro-Bins help you reduce and control inventories, shorten assembly times, and minimize parts handling. Seven sizes and four colors to choose from. Hang bins from Akro-Mils racks, panels, or stack them on a bench.



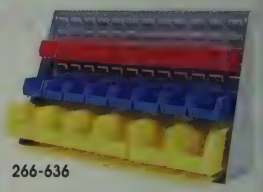


Bins

Red Cat. No.	Blue Cat. No.	Yellow Cat. No.	Stone Cat. No.	Dimensions (ID) L x W x H x D	Capacity	Each 1-5	Each 6-11
266-210R	266-210B	266-210Y	266-210S	$4^3/4$ x $3^7/16$ x $2^{13}/16$ x 4"	10 lbs.	$1.00	$.90
266-220R	266-220B	266-220Y	266-220S	$6^3/4$ x $3^7/16$ x $2^{13}/16$ x 6"	10 lbs.	1.75	1.58
266-230R	266-230B	266-230Y	266-230S	$10^1/4$ x $4^3/8$ x $4^3/4$ x 9"	30 lbs.	4.25	3.83
266-235R	266-235B	266-235Y	266-235S	$10^1/4$ x 10 x $4^3/4$ x 9"	50 lbs.	6.75	6.08
266-239R	266-239B	266-239Y	266-239S	10 x $6^9/16$ x $6^3/4$ x 8"	50 lbs.	7.25	6.53
266-240R	266-240B	266-240Y	266-240S	14 x $6^9/16$ x $6^3/4$ x 12"	60 lbs.	8.50	7.65
266-250R	266-250B	266-250Y	266-250S	$14^3/4$ x $14^3/4$ x $6^3/4$ x 12"	75 lbs.	12.00	10.80

Bin Racks

Cat. No.	Description	Dimensions	Capacity	Each 1-5	6-11
266-636	Bench Rack	36 x 8 x 21"	120 lbs.	$54.00	$48.60
266-618	Louvered Panel	18 x 19"	160 lbs.	21.00	18.90



266-636

Bins and racks sold separately.

Flambeau

Stacking Storage System



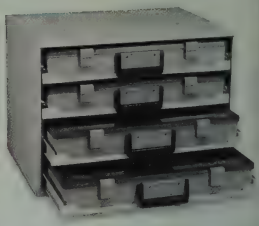
Withstands severe work environments. Resists most common chemicals and solvents. Handle and snap-lock latches on front of case for easy transport. Translucent lid allows for easy identification of contents.

Each case measures $13^1/2$ x 9 x $2^1/4$" and has 4 permanent divider strips, each of which features vertical grooves and assorted dividers to allow configuration of any size compartment. Cabinet approximately 15" square, 20 lbs.

Cat. No.	Description	Each
352-852	Cabinet with 5 Parts Cases	$99.95

Flambeau

Super Satchel Parts Organizer



- Cases won't rust, no sharp edges
- Heavy-duty steel cabinet with sliding shelves

Feature clear lids for easy inventory of contents, positive latches and comfortable carrying handle. Cases are $18^1/2$ x 13 x 3" and come in configurations as shown. Cabinet measures $20^1/4$ x $15^3/4$ x $14^3/4$".

Cat. No.	Description	Each
352-003	Case with 8-32 Compartments	$23.00
352-004	Case with 24 Compartments	23.00
352-005	Case with 21 Compartments	23.00
352-006	Case with 4-16 Compartments	23.00
352-007	Cabinet only (fits any four cases)	69.00

AKRO-MILS

Attached Lid Containers (ALCs)



266-120

266-085

- Reusable shipping, distribution, storage containers
- Stack and nest

Molded-in handles, reinforcing ribs, steel lid hinge pins and padlock eyes for security.

Cat. No.	Description	Dimensions (O.D.)	Capacity	Each 1-5	6-11
266-085	Storage Container	$21^1/2$ x 15 x 9"	$8^1/2$ Gal.	$13.95	$12.56
266-120	Storage Container	$21^1/2$ x 15 x $12^1/2$"	12 Gal.	16.50	14.85

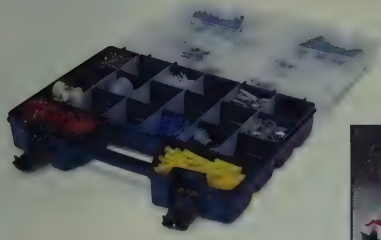
Flambeau

Kwik-Change Tool/Parts Tote



Versatile storage tote with a tremendous amount of organized space. Front drop-panel reveals four slide-out translucent parts storage boxes with adjustable interior partitions. Top lid with two removable and one fixed storage boxes. Large interior compartment with two medium and one deep storage box. Exterior tool holders on each side of case. Lifetime manufacturer's warranty. $20^1/2$ x 12 x $14^1/2$".

Cat. No.	Description	Each
352-804	Kwik-Change Tool/Parts Tote	$59.95



Hardware not included



AKRO-MILS

Lid Storage Parts Organizers

Lid compartment opens separately for small items while the main compartment under lid offers larger storage sections. Lids lock securely, keeping parts separated in adjustable and removable dividers. Molded-in handle.

Cat. No.	Description	Dimensions	Compartments	Each
266-115	Parts Organizer	15 x 11 5/16 x 3 1/4"	11-46	$14.95
266-118	Parts Organizer	18 1/4" x 13 3/8 x 3 5/8"	12-62	19.25



413-568



413-568



413-569



413-570



413-571



413-572

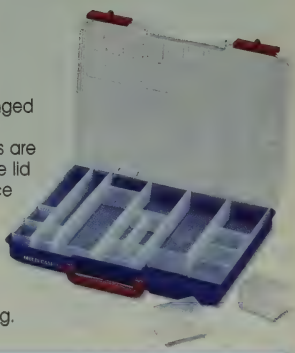
Small Parts Cabinets

Steel frame construction with welded shelves for maximum strength and rigidity. Steel surface features a chip-proof powder coated blue finish. Cabinets measure 22" high x 12" wide x 5 3/4" deep. Each drawer, molded out of clear polystyrene, has a low profile handle for ease of use.

Cat. No.	Description	Dimensions	Each
413-568	60-Drawer Parts Cabinet	5 1/4 x 17 7/8 x 13 7/8"	$35.90
413-569	48-Drawer Parts Cabinet	5 1/4 x 21 1/2 x 13 7/8"	35.90
413-570	24-Drawer Parts Cabinet	5 1/4 x 33 7/8 x 21 1/4"	35.90
413-571	16-Drawer Parts Cabinet	5 1/4 x 51 1/4 x 21 7/8"	35.90
413-572	8-Drawer Parts Cabinet	5 1/4 x 10 3/4 x 21 1/4"	35.90

AKRO-MILS

Akro/Logic™ Multi-Case



Removeable bins may be arranged in any position within the case, or interchanged with other cases. Bins are stackable outside of case. Exclusive lid design holds remaining bins in place when others are removed, while preventing bin content spillage. Shatter-proof see-thorough lid and heavy-duty polypropylene base withstand years of abuse. Slide latches prevent accidental opening. Folding carry handle.

Cat. No.	Description	Bins/Case	Dimensions	Each
266-217	Akro/Logic Multi-Case	17	12 7/8 x 16 1/4 x 2 1/8"	$19.95
266-212	Akro/Logic Multi-Case	12	5 3/8 x 4 1/8 x 3"	19.95

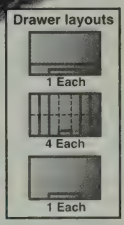
Flambeau

Six Drawer Tool/Storage Chest



➥ Five year factory warranty

Plenty of room for convenient storage of precision tools, small parts and components. Durable polystyrene provides years of dependable service. Drawers are easily removed with tongue-and-groove rails and fingertip releases. Front cover has padlock tab. Non-slip rubber feet, twin latches, luggage style handle. 19 1/2 x 10 3/8 x 15".



Cat. No.	Description	Each
352-060	Six Drawer Tool/Storage Chest	$95.00

ZAG®

Mega 2100™ 21" Tool Box

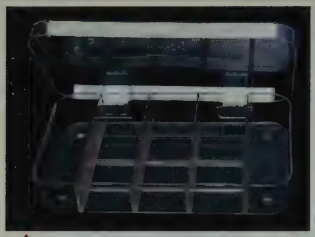


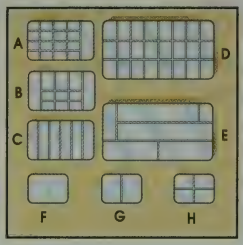
Tool and parts box features three front-mounted flip-out bins with dividers for storing parts, tools and other small items. Large interior compartment and detachable tote tray with dividers. Polypropylene construction. 21 x 12 x 11".

Tools and supplies not included

Cat. No.	Mfr. No./Description	Each 1-5	6-11
88-007	Mega 2100 Tool Box	$17.00	$15.30

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690





Flambeau

Mighty Tuff® Parts Boxes

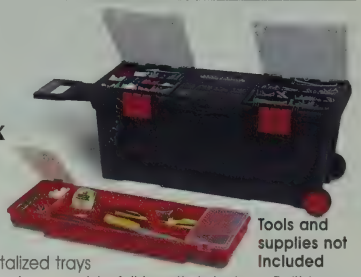
➥ Store & protect

Compact, compartmented boxes are far superior to ordinary polystyrene boxes. Molded from sturdy, transparent cellulose propionate featuring rustproof metal hinges. Virtually unbreakable and highly resistant to oil, gasoline and most common chemicals and solvents. Ideal for tool kits, industrial packaging and storage.

Cat. No.	Key	Dimensions	1-4	5-10
352-526	A	7 x 4 x 1 1/16"	$6.00	$5.52
352-527	B	7 x 4 x 1 1/16"	6.00	5.52
352-528	C	7 x 4 x 1 1/16"	6.00	5.52
352-529	D	11 7/8 x 5 7/8 x 1 7/16"	10.00	9.20
352-530	E	11 7/8 x 5 7/8 x 1 7/16"	10.00	9.20
352-500	F	4 3/8 x 2 5/8 x 1 1/16"	5.50	5.06
352-202	G	4 3/8 x 2 5/8 x 1 1/16"	5.50	5.06
352-504	H	4 3/8 x 2 5/8 x 1 1/16"	5.50	5.06

ZAG®

26" Mobile Tool/Parts Box



Tools and supplies not included

Versatile light-duty tote features two rear wheels and extendable comfort-grip tote handle for easy transport. Two removable compart-mentalized trays with transparent covers and removable full-length tote tray. Built-in cable holder on rear of box. Built-in padlock eye. Polypropylene construction. 26 x 11 x 11".

Cat. No.	Mfr. No./Description	Each 1-5	6-11
88-003	26008 Mobile Tool/Parts Box	$36.50	$32.85

Premium Bungee Cord Sets



292-010 Standard-Duty Set offers scratch-resistant full vinyl-dipped hooks. Includes 1-30", 1-24", 2-18" and 2-10" cords.

292-020 Heavy-Duty Set has 3 times the pull tension and hook strength of standard cords. Dichromate-dipped hooks. Includes 2-40", 2-32" and 2-24" cords.

292-030 ZipCord™ Adjustable Set is easily adjusted for both tension and length. Molded hooks. Includes 2-60", 2-45" and 2-30" cords.

Cat. No.	Description	Each 1-5	6-11
292-010	Bungee Cord Set, Standard-duty, 6 pc.	$5.95	$5.36
292-020	Bungee Cord Set, Heavy-duty, 6 pc.	15.95	14.36
292-030	Bungee Cord Set, Adjustable, 6 pc.	13.95	12.56

Flambeau

Infinite Divider™ Parts Boxes



Provides flexibility in organizing small parts. Dividers may be easily placed where needed and adjust in 1/8" increments. Constructed of durable solvent-resistant polypropylene.

352-902: 13 x 8 3/8 x 1 7/8" (includes 16 dividers).
352-602: 10 1/2 x 6 x 1 1/2" (includes 6 dividers).
352-302: 6 7/8" x 3 5/16" x 1 1/4" (includes 6 dividers).

Cat. No.	Description	Each 1-5	6-11
352-902	Infinite Divider Parts Box, Large	$9.50	$8.55
352-602	Infinite Divider Parts Box, Medium	6.00	5.40
352-302	Infinite Divider Parts Box, Small	4.00	3.60

For additional quantity pricing, contact Jensen Sales at 800-426-1194.

ZAG®

Mobile Contractor Chest



Tools not included

Light-duty storage and transportation of tools, equipment and supplies. Polypropylene construction. Easy-roll wheels and telescoping handle for easy transport. Features two removable tote trays, top storage lid with compartments and drive bit organizer. 24 1/2 x 15 x 16 1/2"

Cat. No.	Description	Each 1-5	6-11
88-005	Mobile Contractor Chest	$49.00	$44.10





ORIGINAL BUCKET BOSS BRAND

Rolling Tool Organizer Pro

Great for plant maintenance personnel, installers and other professionals requiring light-duty tool transport. Foldable rolling crate with 3" rubber wheels and collapsible tote handle that extends to 39". Side handles for carrying over obstacles. Large 17W x 15D x 16" H interior compartment. Rugged 1800-denier removeable liner with 58 outside pockets to organize tools . Custom pocket for cordless drill, bits and tape measure. Wide inside pocket.

Cat. No.	Description	Each 1-5	6-11
418-803	Rolling Tool Organizeer Pro	$49.95	$44.96





edsal

Tools and supplies not included

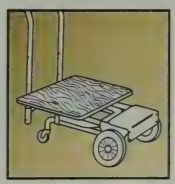
Mobile Service Benches

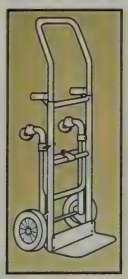
Combines the work surface of a bench, storage facility of a cabinet and the mobility of a cart. One-piece all welded cabinet. 800 lb capacity. Steel back and end-stops. Strong pressed wood top. Heavy-duty 5" casters.Locking cabinet doors. 344-008 features single locking cabinet and five full-suspension drawers. 42W x 24D x 34"H benchtop. 37" overall height.

Cat. No.	Description	Each
344-007	Mobile Service Bench, double cabinet doors	$379.00
344-008	Mobile Service Bench, 5 drawers, single cabinet door	589.00

Prices do not reflect additional freight charges to your location. These charges will be added to your invoice. Call 800 426-1194 for freight charges.







Valley Craft

Converta-Truck

- 8 carts in one
- 400 lbs. maximum capacity

A 2-wheel dolly or a 4-wheel hand truck; add the included platform to create a platform truck or steerable 4-wheel dolly. Wood laminate platform will hold up to 100 lbs. Maximum cart capacity: 300 lbs. as a 2-wheeler or 400 lbs. as a 4-wheeler. 8" rubber wheels, 2½" casters. Tubular steel frame with sand enamel finish. 47" (extends to 55") x 20".

Cat. No.	Description	Capacity	Weight	Each
568-990	Converta-Truck	100-400 lbs.	49 lbs.	$165.00

Rubbermaid Commercial Products

5-Drawer Work Center

The all-in-one solution for many types of jobs. Five metal drawers with padlock hasps. Heavy-duty work surface can support up to 250 lbs. Locking wheels provide portability and convenient, easy-access storage compartments keep items neatly organized. Perf board side allows items to be hung. Built-in tool slots and cord wrap. 30½"L x 20¼" x 33⅝".



Tools and supplies not included

Cat. No.	Description	Capacity	Weight	Each
20-734	5-Drawer Work Center	250 lbs.	76 lbs.	$239.00

Price does not reflect additional freight charges to your location. These charges will be added to your invoice. Call 800 426-1194 for freight charges.



METRO

Super Adjustable Stationary Wire-Shelving

- Quick Release Lever Adjusts Shelves in Seconds
- 63″ high

Units come complete with four Super Adjustable chrome-plated wire shelves, and four 63" high chrome-plated stationary post. Shelves can be adjusted at 1" increments along the length of the posts. Each shelf corner is equipped with a quick release lever that remains securely in place until a shelf adjustment is required, (without nuts, bolts or tools). For ESD-safe operation, order one set of conductive sleeves (408-668) for each shelf, and one grounding chain (120-568) for each shelving unit.

Cat. No.	Mfr. No./Description	Size	Each
413-539	A336C Wire Shelving	18 x 36	$284.00
413-540	A346C Wire Shelving	18 x 42"	308.00
413-541	A356C Wire Shelving	18 x 48"	320.00
413-542	A366C Wire Shelving	18 x 60"	364.00
413-543	A376C Wire Shelving	18 x 72"	416.00
413-544	A436C Wire Shelving	21 x 36"	316.00
413-545	A446C Wire Shelving	21 x 42"	340.00
413-546	A456C Wire Shelving	21 x 48"	352.00
413-547	A466C Wire Shelving	21 x 60"	400.00
413-548	A476C Wire Shelving	21 x 72"	468.00
413-549	A536C Wire Shelving	24 x 36"	328.00
413-550	A546C Wire Shelving	24 x 42"	360.00
413-551	A556C Wire Shelving	24 x 48"	380.00
413-552	A566C Wire Shelving	24 x 60"	436.00
413-553	A576C Wire Shelving	24 x 72"	500.00
408-668	AESD-4 Conductive Sleeve (pkg/4)		4.00
120-568	ASK16S Grounding Cable		15.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Rubbermaid
Commercial Products

Full Service Utility Carts

Lightweight, seamless carts for transporting a wide variety of tools, supplies and equipment. Rugged molded construction won't dent, chip or flake. Molded handle will never come loose. No sharp edges to damage walls or furniture. No maintenance required. Two fixed wheels and two casters for easy maneuverability. Gray. Capacity: 200 lbs. per shelf. Easily assembled.

Cat. No.	Description	Size	Weight	Each
700-450	Small Utility Cart	30 x 16 x 32 1/2"	36 lbs.	$158.00
700-597	Middle Shelf for 700-450	–	15 lbs.	52.00
700-520	Large Utility Cart	36 x 24 x 32 1/2"	50 lbs.	179.00
700-598	Middle Shelf for 700-520	–	17 lbs.	61.00


700-520

Rubbermaid
Commercial Products

Flat Top Utility Carts

- Flat top makes it easy to load bulky, heavy items
- Easy maintenance and quiet operation

Ideal for office or factory use. Sturdy molded construction won't dent or chip. Handle has molded-in storage bin. Two fixed and two swivel 5" non-marking casters. Beige. Capacity: 200 lbs. per shelf.


700-525 with 700-526

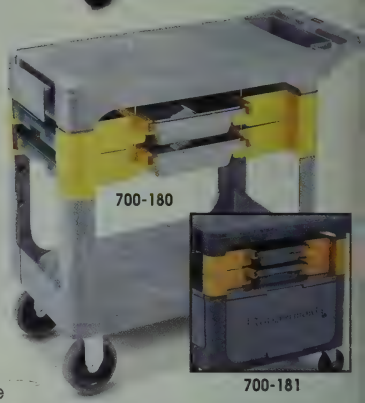
Cat. No.	Description	Size	Weight	Each
700-505	Small Cart	38 x 19 x 33"	35 lbs.	$160.00
700-506	Middle Shelf for 700-505	—	11 lbs.	52.00
700-525	Large Cart	44 x 25 x 33"	45 lbs.	187.00
700-526	Middle Shelf for 700-525	—	15 lbs.	62.00

Rubbermaid
Commercial Products

Trades Service Cart

- Flat work surface at comfortable height

Rugged molded cart features four compartmentalized parts boxes (two on each end) and two storage drawers for larger tools and supplies. Quiet, non-marking 6" casters with brakes on the two swivel casters for stability while working. Gray. Capacity: 400 lbs. total (top shelf holds 150 lbs., bottom shelf 180 lbs. and the suspended storage boxes hold 70 lbs.). 38 x 19 1/4 x 33 1/4"


700-180

700-181

Cat. No.	Description	Weight	Each
700-180	Service Cart	52 lbs.	$259.00
700-181	Service Cart w/locking cabinet	68 lbs.	349.00

Valley Craft

Super Shelf Cart

Heavy-duty 1600 lb. capacity utility cart features two 14-gauge steel shelves with 19 1/2" spacing for plenty of carrying space. 24 x 36" top shelf is reversible, allowing you a choice of flush or 1/2" lipped tray. Big, 8 x 2 1/2" pneumatic tires absorb shocks from door jambs and roll right over rough surfaces. 47 1/2 x 42 x 24 1/4".



Cat. No.	Description	Capacity	Each
568-002	Super Shelf Cart	1600 lbs.	$299.00

Rubbermaid
Commercial Products

X-tra™ Instrument Cart

Heavy-duty instrument cart features locking doors and slide-out top drawer. Smooth, easy-to-clean shelves. Large non-marking casters. Easy "pound-together" assembly. 300lb capacity. 40 5/8L x 20W x 38"H.



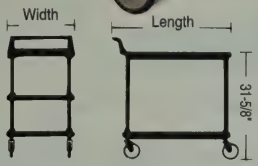
Cat. No.	Description	Each
700-094	X-tra Instrument Cart	$279.00



METRO

Wire-Shelf Carts

➥ **Durable, Dependable and Easy to Maneuver**



Handy wire-shelf carts are available in either two-shelf or three-shelf models. Super Erecta® construction lets you easily adjust shelves at 1" increments. Five shelf sizes from which to choose. Each cart comes knocked down in a single carton with shelves, a pair of handle-posts, casters, and donut bumpers. Height from floor to top of handle is 38" (for carts with 4" casters) and 39" (for carts with 5" casters). Carts come Chrome plated and complete as shown.

Cat. No.	Mfr. No./Description	Size (L x W)	Casters Diam.	Each
120-602	MW601 Wire-Shelf Cart, Two-Shelf	24 x 18"	4"	$217.00
120-604	MW603 Wire-Shelf Cart, Two-Shelf	30 x 18"	4"	226.00
120-606	MW605 Wire-Shelf Cart, Two-Shelf	36 x 18"	4"	233.00
120-608	MW607 Wire-Shelf Cart, Two-Shelf	36 x 21"	5"	253.00
120-610	MW611 Wire-Shelf Cart, Two-Shelf	36 x 24"	5"	262.00
120-612	MW701 Wire-Shelf Cart, Three-Shelf	24 x 18"	4"	257.00
120-614	MW703 Wire-Shelf Cart, Three-Shelf	30 x 18"	4"	270.00
120-616	MW705 Wire-Shelf Cart, Three-Shelf	36 x 18"	4"	280.00
120-618	MW707 Wire-Shelf Cart, Three-Shelf	36 x 21"	5"	305.00
120-620	MW711 Wire-Shelf Cart, Three-Shelf	36 x 24"	5"	318.00

WESCO MANUFACTURING CO.

Super Foldaway Platform Truck

➥ **Telescoping platform**



Rugged truck features a sturdy, lightweight, interlocking aluminum frame. Easy-rolling 4" casters, two swivel and two rigid. Roomy, dual length platform extends to 28 x 16". 32" handle height. Folds to a compact 20 x 16 x 9 1/2" for easy storage. Protective vinyl corners prevent damage to walls or furniture.

Cat. No	Description	Capacity	Each
820-020	Platform Truck	300 lbs.	$153.00

WESCO MANUFACTURING CO.

Folding Platform Truck





Move equipment quietly through offices without disturbing others. **Standard Platform Truck** has a pressed steel platform with covered non-slip base. Two stationary and two swivel 4" rubber casters. Fold-down handle for easy storage. All around bumper prevents damage to walls or furniture. 19 x 29 1/4". **Large Platform Truck** is identical, but has 5" casters, larger platform and greater capacity. 23 x 35".

Cat. No	Description	Capacity	Weight	Each
601-440	Standard Platform Truck (shown)	400 lbs.	25 lbs.	$112.00
820-035	Large Platform Truck	600 lbs.	41 lbs.	176.50

Fold-Flat Luggage Carts

➥ **Folds flat to 2 1/2"**





Measures 26 x 19 x 2 1/2" when collapsed and extends to 40" with a 19 x 9 1/2" cast aluminum platform and 7 1/2" wheels.

Cat. No	Description	Capacity	Weight	Each
54-578	Fold-Flat Cart	275 lbs.	10 lbs.	$150.00
820-021	Fold-Flat Cart	175 lbs.	8.4 lbs.	119.00

JENSEN®

Utility Cart

➥ **Rugged molded construction**

➥ **Resists most common solvents**



Two 31 x 18 x 3 shelves, each with a capacity of 150 lbs. Four swivel casters with 4" wheels. Easy assembly with soft face hammer.

Cat. No.	Description	Size	Weight	Each
997-001	Utility Cart	37 x 19 x 32"	45 lbs.	$99.00

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Harper TRUCKS Inc.

Ultra-Lite Hand Truck



➥ **Weighs 20-30% less than aluminum, 35-50% less than steel**

A glass reinforced nylon makes it strong as steel, yet it weighs less than aluminum. Manufactured with a steel handle and base plate, this revolutionary design includes built-in stair glides, impact resistant finish and 10" pneumatic tires. Height is 48", base plate is 7 x 14". Shipped fully assembled. One year warranty.

Cat. No	Description	Capacity	Weight	Each
385-016	Hand Truck	500 lbs.	20 lbs.	$69.00

Harper TRUCKS Inc.

Ultra Lite Senior Dual Truck



Constructed of high-capacity nylon/glass compounds for light weight and exceptional strength. Handle folds quickly to convert from conventional upright hand truck to push/pull platform cart. 21 x 37" platform bed. 10" platform height. 7 x 14 1/2" toe plate. 10 x 3 1/2" truck wheels and 5 x 1 1/4" swivel casters. 49 1/2" high as hand truck.

Cat. No.	Description	Capacity	Weight	Each
385-635	Ultra Lite Senior Dual Truck	600 lbs.	25 lbs.	$129.00

Valley Craft

Dura-Lite Aluminum Hand Truck



➥ **Lightweight yet extremely durable**
➥ **Large 8" wheels/rubber tires**

Constructed of heavy-duty aluminum extrusions, bolted together for extra strength. Triple-Truck has an 8 x 15" steel shoe along with a 12 x 29" extendable shoe. Two 5 x 1 1/8" swivel casters provide easy steering in the 4-wheel mode. Truck stands 51" high. Some assembly required.

Cat. No	Description	Capacity	Each
568-937	Triple Truck	500 lbs. (2-wheel) 600 lbs. (4-wheel)	$215.00

Valley Craft

Viking II™ Hand Truck



500lb capacity. 44 x 18" heavy-gauge steel tubing. 10 x 2 3/4" cushion rubber tires. 8 x 14" shoe constructed of solid 10-gauge steel. OSHA safety-green baked enamel finish.

Cat. No.	Description	Each
568-127	Viking II Hand Truck	$79.95

Harper TRUCKS Inc.

Folda-Truk



Aluminum and **Heavy-Duty Steel** models feature folding handle, 7" nose plate, 8" folding nose extension, and 5" rubber wheels. **Light-weight Steel** model has folding handle, 6" folding nose plate, 8" folding nose extension, and 5" poly wheels.

Cat. No.	Description	Capacity	Weight	Each
385-090	Aluminum Model	200 lbs.	13.5 lbs.	$149.00
385-089	Steel Model, Heavy-Duty	200 lbs.	20 lbs.	129.00
385-080	Steel Model, Lightweight	200 lbs.	13 lbs.	47.50







WESCO MANUFACTURING CO

Mini Cobra Compact Convertible Cart

Easily converts from 2-wheel handtruck to 4-wheel cart. Unique design allows user to fold the nose closed for easy transport and storage. Strong, lightweight aluminum frame. Two 8" pneumatic wheels and two 4" high-quality, non-marking casters. Weighs only 28 lbs. Capacity: 2-wheel 300 lbs., 4-wheel 500 lbs. 8 1/4 x 32 1/4" frame bed. 2-wheel: 14W x 15D x 44"H, 4-wheel: 15W x 16D x 25 1/2"L.

Cat. No.	Description	Each
820-615	Mini Cobra Convertible Cart	$250.00

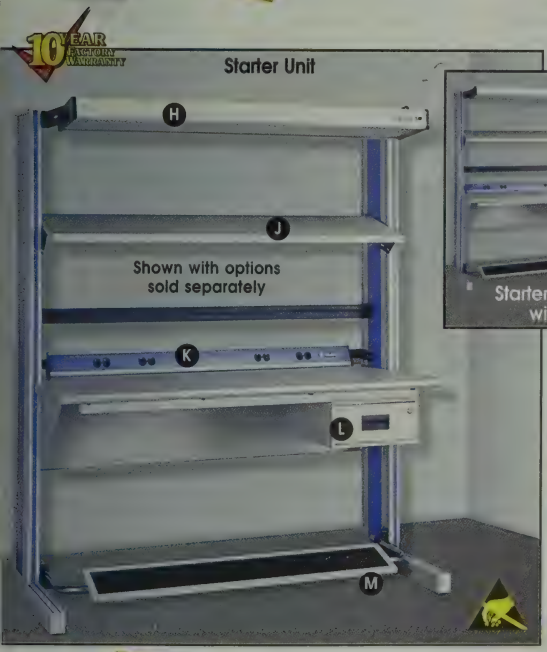


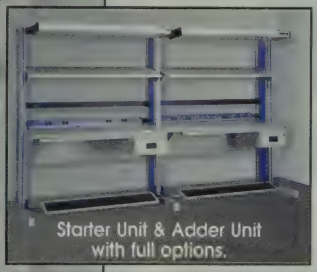
Stock Workbenches

Available in 30" x 60", 30" x 72", or 36" x 72" standard or ESD laminate work surfaces. Standard height is 30", but may be raised to 36" with included leg extension kit. Heavy-gauge steel construction with pre-installed, threaded inserts for fast and secure assembly. Bench will easily hold 1000 pounds of distributed weight. Broad list of accessories so you may design a bench of your choice. Color is sky blue with white laminate.

Cat. No.	Key	Description	Dimensions	Each
708-306	A	Stock Workbench	30 x 60"	$359.00
708-307	A	Stock Workbench	30 x 72"	391.00
708-310	A	Stock Workbench	36 x 72"	428.00
708-308	A	ESD Workbench	30 x 60"	525.00
708-309	A	ESD Workbench	30 x 72"	582.00
708-311	A	ESD Workbench	36 x 72"	683.00
708-006	B1	Small Drawer	6"H x 15"W x 18"D	125.00
708-012	B2	File Drawer	12"H x 15"W x 18"D	176.00
708-112	B3	Cabinet with Door	12"H x 15"W x 18"D	155.00
708-060	C	Footrest	60"	63.00
708-072	C	Footrest	72"	63.00
708-660	D	Instrument Shelf	15"D x 60"L x 18"H	190.00
708-672	D	Instrument Shelf	15"D x 72"L x 18"H	204.00
708-673	D	ESD Instrument Shelf	15"D x 60"L x 18"H	283.00
708-674	D	ESD Instrument Shelf	15"D x 72"L x 18"H	314.00
708-600	E	Electrical Service Strip	60" long	105.00
708-720	E	Electrical Service Strip	72" long	117.00
708-202	F	Light Fixture	48"	97.00
708-721	G	Riser Service	–	80.00
708-014	–	Lock for Drawers	–	16.25

Price does not reflect additional freight charges to your location.
Call 800-426-1194 for freight charges.





Dimension 4 Modular Workbenches

- **Expandable system to serve both present and future needs**
- **Static safe models for EOS/ESD protection**

Heavy gauge welded steel and bolted construction. Holds 1000lbs of distributed weight. Baked-on enamel finish and laminated top. ESD version for a static-safe workbench that will meet the most stringent industry and military ESD requirements. Fully adjustable for personal comfort and efficiency. 180° rolled front edge. Dimensions: 72" x 30" x 60". 10-year factory warranty.

Starter Unit is one complete workstation. Includes two uprights, work surface assembly and modesty support panel.

Adder Units attach to end of Starter to form a string of workstations. Adder units include only one upright.

Order **Optional Accessories** below to complete your workstation(s).

Cat. No.	Key	Description	Each 1-4	5-9
708-500	-	Starter Unit	$747.00	$709.65
708-501	-	Adder Unit	499.00	474.05
708-502	-	Starter Unit, ESD-safe	895.00	850.25
708-503	-	Adder Unit, ESD-safe	647.00	614.65
708-505	H	Optional Light Fixture	245.00	232.75
708-506	J	Optional Shelf	79.00	75.05
708-507	J	Optional Shelf, ESD-safe	144.00	136.80
708-508	K	Optional Electrical Outlet Strip	132.00	125.40
708-504	L	Optional 6" Drawer	136.00	129.20
708-509	M	Optional Footrest Assembly	68.00	64.60
708-995	Not Shown	Optional Freestanding Footrest	102.00	96.90

HOW YOUR WORKSTATION IS SHIPPED

The most appropriate way to ship is KDF (Knocked Down Freight). Each item is individually packaged with assembly instructions and necessary hardware. All items are then palletized to ensure a complete shipment shipped. FOB California. Price does not reflect additional freight charges from California to your location. These charges will be added to your invoice. Call 800-426-1194 for freight charges.



Workmate® 425 Project Center

Dual height for use as a workbench, bench tool stand, vise or sawhorse. Steel construction holds up to 550 lbs. Advanced one-handed clamp system with exclusive clutch design for easy clamping. Front jaw swings up for vertical clamping. Removable center panel. Folds easily for storage and transport. 29 1/8 x 20 3/4" work surface. 31 1/8" bench height. 24 1/8" sawhorse height.

Cat. No.	Description	Each 1-5	6-11
836-425	Workmate 425 Project Center	$144.00	$129.60



edsal

General-Purpose Industrial Workbenches

Tools and supplies not included.

All-steel frame and 1" thick flake-board top supports over 200 lbs per square foot. 12" deep lower shelf. Straight leg design adjusts from 20-34" high in 1" increments for sitting or standing applications. Double electrical knockouts in legs front and back. Tough industrial gray powder-coat finish. Easy to assemble. **344-006 optional drawer** mounts left, right or center. Slides smoothly on steel runners.

Cat. No.	Description	Size W x D	Each
344-001	Industrial Workbench	48 x 24"	$77.00
344-002	Industrial Workbench	60 x 24"	95.00
344-003	Industrial Workbench	72 x 24"	116.00
344-004	Industrial Workbench	60 x 30"	129.00
344-005	Industrial Workbench	72 x 30"	144.00
344-006	Optional Workbench Drawer	-	21.00

Price does not include additional freight charges to your location. Call 800 426-1194 for freight charges.



Premium Bench-Height Seating

Constructed of the finest materials and components for years of comfort and use. Common features include 5-leg base with hooded dual wheel casters. Pneumatic seat height adjustment as well as fully-adjustable seat depth, back height and footring height. Meets or exceeds all applicable ANSI/BIFMA & GSA standards. Medium-blue fabric. 15-year manufacturer's warranty.

Deluxe models feature polished aluminum base, 18 x 17" seat and 2 1/2" double density foam for extra comfort. Protective rubber bumper on upholstered edges. Seat height adjusts 21-31".

Standard models feature reinforced black nylon base, 18 x 17" seat and 2 1/2" foam. Seat height adjusts 19-27".

ESD-safe versions add conductive fabric cushions and conductive casters for full static-safe grounding. (drag chain on standard model).

Cat. No.	Description	Each 1-5	6-11
772-450	Deluxe Chair	$219.00	$197.10
772-455	Deluxe Chair, ESD-safe	299.00	269.10
772-050	Standard Chair	169.00	152.10
772-055	Standard Chair, ESD-safe	229.00	206.10

Other standard color fabrics, vinyl, and cleanroom-compatible versions are available as special order. Contact Jensen Customer Service at 800-426-1194 for assistance.



Drawer Sizes:
25 1/8 x 25 1/8 x 2 1/4"- (1)
25 1/8 x 25 1/8 x 3"- (2)
25 1/8 x 25 1/8 x 4 5/8"- (1)
25 1/8 x 25 1/8 x 7"- (1)

STANLEY Vidmar

Sentry 100 StaticGard Technician's Workstation

- **Engineered from ground up for total ESD control**
- **Conforms to EOS/ESD standard 4.1-1990 at 100VDC open circuit test**

Designed to provide a single point, static-safe maintenance center with all inventory parts, tools and accessories close at hand and easily accessible to the technician.

Sentry 100 is top of its class in static-protection as it conforms to the 100 volt open circuit test and is certified. Workstation is unequaled in quality construction and static protection.

ESD pedestal cabinet has five large drawers with 169 adjustable compartments. Cabinet is 30"H x 30"W x 27 3/4"D. The workbench is 72"L x 36"W x 32"H and comes with a riser shelf 72"L x 18"W x 18"H which is pre-wired with six duplex receptacles protected with GFCI and a 15AMP breaker. A fluorescent light, foot rest, wrist strap and grounding hardware included. Some assembly required.

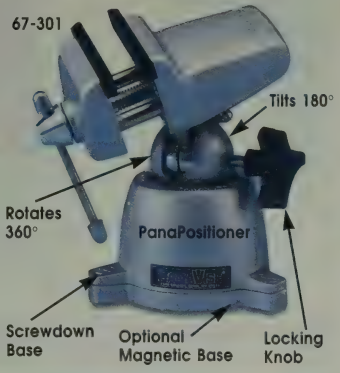
Cat. No.	Description	Each
115-100	Sentry 100 StaticGard Workbench	$2495.00

Price does not reflect additional freight charges to your location, which will be added to your invoice. Call for freight charges.

PANAVISE® PanaVise

PanaVise has 5/8" shaft that fits into PanaPositioner. Vise jaws are 2 1/2" wide and open to a full 2 1/2" to firmly grip large work pieces. Comes with nylon jaws.

PanaPositioner rotates 360° and tilts 180° to achieve any compound angle. Versatile PanaPositioner can be used with any 5/8" shaft fixture. Three holes in base for permanent bench mounting.



Cat. No.	Mfr. No./Description	Each
67-301	303-P + 300 Workholding System	$47.00
67-135	303-P PanaVise only	25.25
67-127	300 PanaPositioner only	21.00
67-141	Optional Bench Clamp for PanaPositioner	41.00
441-335	Optional Magnetic Base for PanaPositioner	17.50

PANAVISE® Wide Opening Workholder with Vacuum Base

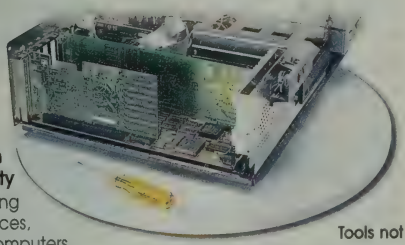
Sturdy vise opens to full 6" and has vertically mounted clamps for positioning. 5/8" shaft mounts in PanaPositioner with vacuum base. PanaPositioner rotates 360° and tilts 180°. One convenient knob locks work in position.



Cat. No.	Mfr. No./Description	Each
67-248	380 & 366 Workholder System	$65.00
67-154	380 Vacuum Base PanaPositioner	34.00
67-148	366 Vertical Vise	32.50

Service Turntable

- Speeds bench repairs
- Solidly built with 200 lbs. capacity



Tools not Included

Perfect for servicing small electronic devices, appliances, micro computers, printers, typewriters, etc. Use it to hold test equipment shared between people on the same bench.

Covered in high impact, laminated plastic, the interlocked ball bearing base is maintenance free, rust resistant and offers an unrestricted 360° rotation. Lifetime manufacturer's warranty.

Cat. No.	Description	Each
767-509	Service Turntable, 24" diameter	$71.00
767-093	Service Turntable, 16" diameter	55.00

"Third Hand" Speeds Work



Frees both hands for soldering and making fine adjustments. Two adjustable arms with alligator jaws set in a heavy base prevents movement of the work. Extremely versatile; can be adjusted to almost any position and can hold small objects of almost any shape.

Cat. No.	Description	Each
68-215	Third Hand	$14.95

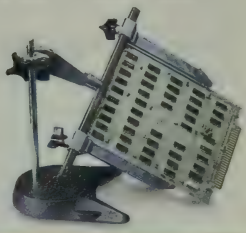
Multi-Angle Vacu-Vise



Tilts up to 90° and swivels a full 360°. Metal jaws are 3" wide and open to 2 3/4". Base is 6 1/4" triangular. Set of rubber jaws included.

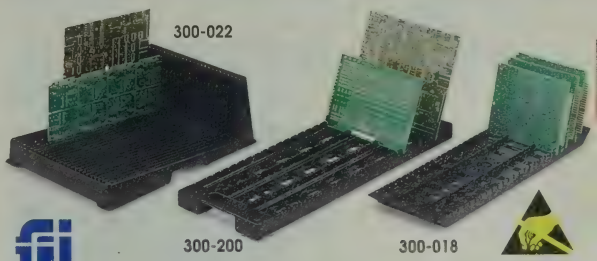
Cat. No.	Description	Each
39-148	Multi-Angle Vacu-Vise	$43.95
39-264	Replacement Rubber Jaws	2.95
39-265	Replacement Rubber Base	8.95

PANAVISE® Circuit Board Holder



Six vertical tilt positions and eight positive rotational positions to full 360°. Heavy cast-iron base. Adjustable spring-loaded arm permits easy board insertion or removal. Accommodates boards up to 10" wide and 1/8" thick.

Cat. No.	Description	Each
441-333	Circuit Board Holder with 13" Crossbar	$68.50



fii Circuit Board Racks

- ESD safe conductive polypropylene construction

When properly grounded these units provide an effective path to drain static charges from sensitive circuit boards. Select from three popular styles to fit your specific application.

Cat. No.	Description	# Slots	Size	Each
300-022	Circuit Board Rack	25	14 x 10 x 5"	$24.00
300-200	Circuit Board Rack	21	20 x 7"	22.50
300-018	Circuit Board Rack	28	18 x 6"	17.95

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

3M Workstation Grounding Kits



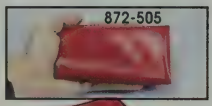
872-824 Deluxe Workstation Kit

Standard Workstation Kits consist of 2 x 4' tri-layer static dissipative table mat; wrist strap/table mat grounding cord with two banana jacks in a molded snap receptacle on one end and a terminal ring on the other end; one adjustable charge-guard wrist strap with a 5' coiled ground cord and 4 x 6' black floor mat constructed of conductive Velostat with a 15' grounding cord terminated with a snap fastener on one end and a terminal ring on the other. All grounding cords are terminated in 1MΩ resistance for operator safety.

Deluxe Workstation Kits include tri-layer constructed floormat for more comfortable cushioned surface. (Same color as table mat).

Cat. No.	Mfr. No./Description	Each
872-816	8034 Standard Workstation Kit, Blue	$255.00
872-814	8025 Deluxe Workstation Kit, Granite	279.00
872-824	8024 Deluxe Workstation Kit, Blue	279.00
872-188	8214 Tri-Layer Table Mat with Ground Cord, Blue	89.00
872-186	1864 Standard Floor Mat, Black, 4 x 6'	205.00

3M Static Dissipative Field Service Kits



872-505



872-501

Mini Kit: Small, fits into 3.5" x 6.5" pocket in tool kit. Unfolds to provide 15" x 20" work surface.

Standard Kit: Large 22" x 24" work surface, usable as carrier. Two 8" x 11" pockets protect equipment.

Cat. No.	Description	Each
872-505	Mini Field Service ESD Kit	$69.95
872-501	Standard Field Service ESD Kit	69.50

WEARWELL Electrically Conductive Anti-Fatigue Mats



Protects workers from fatigue. For use in areas where electro-static discharge (ESD) can harm facilities and electronic equipment. Nitricell™ sponge base provides superb cushioning support to ease back and leg stress and fatigue. Overall thickness 9/16". Beveled safety edges. Volume resistivity and resistance to ground 10^8 ohms. Includes grounding snap and ground cord.

Cat. No.	Description	Size	Each 1-2	3-9
158-009	Diamond-Plate ESD Floor Mat	3 x 5'	$169.00	$155.48
158-010	Smooth ESD Floor Mat	3 x 5'	175.00	161.00

JENSEN® ESD Field Service Kits



Jensen quality portable ESD workstations are lightweight and ruggedly constructed for years of service. Includes a fold-up dissipative work surface with storage pockets, standard elastic wrist strap with 6' cord and 10' common point ground with alligator and banana plugs. Surface resistivity: 10^8-10^9.

97-575 Standard Kit features 24" x 24" worksurface with two storage pockets.

97-585 Pocket Kit features 15" x 20" worksurface with one pocket. Folds easily to 3" x 6".

Cat. No.	Description	Each
97-575	Standard ESD Field Service Kit	$42.00
97-585	Pocket ESD Field Service Kit	34.50

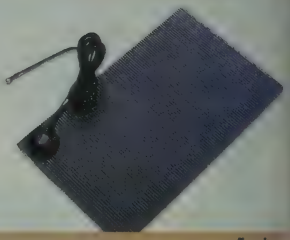
JENSEN® 2 x 4' ESD Two-Layer Bench Mat



Two-layer rubber mat meets all applicable EOS/ESD standards. Compatible with continuous monitors. Reversible - dissipative on one side, conductive on other. 0.060" thick. Burn-proof and resistant to many chemicals. Includes 10' common point ground. Blue.

Cat. No.	Description	Each
97-145	2x4' ESD Two-Layer Bench Mat	$72.95

JENSEN® 3 x 5' Dissipative Floor Mat



Grooved style floor mat constructed of rugged vinyl. Includes 10' grounding cord and connector. 1/8" thick. Gray.

Cat. No.	Description	Each
97-502	3x5' Dissipative Floor Mat	$84.00

JENSEN® 2 x 4' ESD Workstation Kit



Includes Jensen standard wrist-strap and cord

Solid vinyl table mat meets all applicable EOS/ESD standards. Compatible with continuous monitors. Durable worksurface. Reversible. 0.090" thick. Includes 10' common point ground and standard elastic wrist strap with 6' cord. Blue.

Cat. No.	Description	Each
97-161	2x4' ESD Workstation Kit	$65.50

JENSEN®
Standard Adjustable Wrist Strap



Constructed of the finest materials available for long service. 5/8" conductive fiber inner surface provides metal band performance with the comfort of cloth. Adjustable elastic material. Stainless-steel back plate. 1MΩ resistor. 6' coiled cord with 1/8" snap. Standard banana plug with removable alligator clip. Blue.

Cat. No.	Description	Each
97-936	Standard Adjustable Wrist Strap	$9.95

JENSEN®
Hook & Loop Adjustable Wrist Strap



Quick, easy adjustment to any size. 1" wide material for comfort. No exposed metal on outside. Includes 6' coiled cord with standard banana plug and removable alligator clip. 1/8" snap. Blue.

Cat. No.	Description	Each
65-095	Hook & Loop Adjustable Wrist Strap	$14.95

3M
"Zipper" Style ESD Wrist Strap



Economical and convenient ESD protection. Easy on, easy off "zipper" style latching mechanism. Thermoplastic band with integrally molded conductive interior. Includes lightweight 5' coiled grounding cord. 4mm snap. Blue.

Cat. No.	Description	Each 1-5	6-11
872-650	Zipper Style ESD Wrist Strap	$9.50	$8.55

3M
Charge-Guard Lightweight Adjustable Static Control Wrist Strap



Lightweight 5' coiled cord with banana plug and removable alligator clip. Hinged closure, easy handling snap fastener.

Cat. No.	Description	Each
872-224	Adjustable Wrist Strap, Red	$30.50

JENSEN®
Metal Adjustable Wrist Strap



➥ **Cleanroom Safe**

Expandable stainless-steel band is designed for comfort and reliability. Will not pinch or pull hair. Cleanroom compatible. One size fits all. Includes 6' coiled cord with standard banana plug and removable alligator clip. Blue.

Cat. No.	Description	Each
97-081	Metal Adjustable Wrist Strap	$19.95

IDEAL
Stat-Gard ESD Grounding System



➥ **Provides proven ground for ESD safety**

Insert Stat-Gard into 3-prong 120V receptacle and it automatically checks for open ground, open neutral, open hot, hot on neutral, reverse polarity, hot and ground reversed. Once receptacle is determined to be properly wired, plug the wrist strap into the banana jack provided and it's safe to begin work. Contains grounding receptacle tester, large wrist strap and a 10' ground cord. Works with other wrist straps also.

Cat. No.	Description	Each
600-046	Stat-Gard System	$55.00
600-038	Stat-Gard Receptacle Tester only	30.00



BOTRON
Combination Wrist Strap/Footwear Tester

Simple-to-operate, designed for fast, frequent testing. Selectable 100Meg range for footwear, 10Meg for wrist strap or toe/heel grounders. Requires 9V battery sold separately.

Cat. No.	Description	Each
97-250	Combination ESD Tester	$142.95
473-005	9V Alkaline Battery (one required)	3.15

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Zoom Stereo Microscope Package



➥ **Complete system with boom stand and ring illuminator**

High-quality complete stereo inspection system provides crisp, high-resolution images. Continuously variable magnification. Parfocal design allows objects to remain in focus while zooming in or out. Dual power ranges 6.5-45X or 3.5-22.5X by installing 0.5X auxiliary lens included. Use of auxiliary lens increases working distance to 7.5" allowing plenty of working room under scope for rework or repair operations. 10X widefield eyepieces. Adjustable interpupillary distance with separate diopter adjustments. Includes heavy-duty boom stand with tilt, and knob-controlled fore-aft positioning, fluorescent ring illuminator with spare tube and starter. 115VAC. Five year manufacturer's warranty.

Cat. No.	Description	Each
147-001	Zoom Stereo Microscope Package	$1199.00

Zoom Stereo Microscope

NEW



➥ **Same microscope head as 147-001 in a compact integrated base**

Sharp image quality, powerful illumination and compact portability in one versatile unit. Continuous zoom magnification from 6.5-45X. 10X widefield eyepieces with cups. Integrated base with fluorescent bottom and powerful halogen overhead illuminators. $5\frac{1}{2}$" clearance under objective lens. $3\frac{3}{4}$" working distance. Precision rack and pinion focus. Adjustable interpupillary distance with separate diopter adjustments. 115VAC. Five-year manufacturer's warranty.

Cat. No.	Description	Each
418-805	Zoom Stereo Microscope	$699.00

Stereo Inspection Microscope

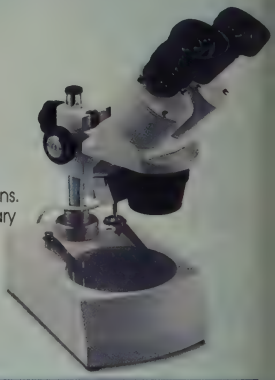


➥ **10X and 20X magnification**

Excellent choice for electronic inspection and rework. Compact microscope takes up very little workspace, yet allows inspection of larger objects such as printed circuit boards, assemblies, etc. Long working distance of 6" at 10X magnification. Convenient power change with slide-in objective modules. Built-in illuminator with articulating arm allows infinite positioning. Weighted stand with 9" arm is fully adjustable. 10X widefield eyepieces. Includes dust cover and rubber eye cups. 115VAC. Five year manufacturer's warranty.

Cat. No.	Description	Each
147-003	Stereo Inspection Microscope	$349.00

Deluxe Stereo Microscope



➥ **Selectable 20X or 40X magnification**

➥ **Bottom transmitted and overhead illuminators**

Compact general purpose stereo microscope is ideal for a wide variety of electronic and industrial applications. Includes 2X and 4X objectives on rotary turret with positive click stop for easy power change. 10X eyepieces. Precision rack and pinion focus. 45° inclined eyetubes. Working distance: 3.15" at 20X. Includes dust cover and rubber eye cups. 115 VAC. Five year manufacturer's warranty.

Cat. No.	Description	Each
147-002	Deluxe Stereo Microscope	$249.00

Economy Illuminated Magnifier



Features quality all-metal construction. 3-diopter lens. 22W circular fluorescent lamp. 45" reach balanced arm is fully adjustable. Shade includes grab handle for effortless positioning. 115VAC. One year manufacturer's warranty.

Cat. No.	Description	Each
606-501	Illuminated Magnifier	$79.50
26-101	Replacement 22W Lamp	16.75

Rectangular Illuminated Magnifier



Large 3-diopter $7\frac{1}{4}$" x $6\frac{1}{4}$" lens offers wide crystal-clear view. Dual 9W fluorescent lamp modules offer bright, shadow-free illumination. 36" reach balanced arm. Heavy die-cast clamp attaches easily to most work surfaces. 115VAC. One year manufacturers warranty.

Cat. No.	Description	Each
606-515	Economy Rectangular Illuminated Magnifier	$145.00

KFM® Series Magnifier Lamps

➥ "Instant on" switch ➥ Totally adjustable

Balanced arm moves with a touch but stays in place without adjustments. Main 5" diameter 3-diopter lens is built into the lamp and is made from precision ground glass. Optional **8-Diopter Lens** snaps inside and increases magnification to 11-diopter. 22W T-9 fluorescent tube is cool, energy efficient, and provides bright, uniform, and shadowless illumination. **28-200** has a clamp mount and arm reach of 45". **28-005** has a weighted base and arm reach of 30". Five year warranty.



Cat. No.	Mfr. No./Description	Each
28-200	KFM-1A Lamp with Clamp Mount	$225.00
28-005	KFM-2EE Lamp with Weighted Base	275.00
28-210	Optional 8-Diopter Lens	48.50
26-101	Replacement 22W T-9 Fluorescent Tube	16.75
28-002	Replacement Clamp Bracket	11.95

Wave-Plus™ Magnifier

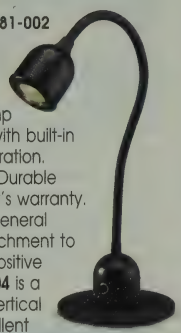
Offers increased light output and magnification power. Twin 13W fluorescent lamps may be switched independently for three-dimensional or shadow free illumination. $6^3/_4$" x $4^1/_2$" stadium-shaped 3.5-diopter lens. Fully adjustable arm with 45° reach. Clamp base opens to $2^1/_4$". Optional **8-Diopter Lens** mounts easily on top of magnifier. Three conductor power cord. 115VAC. Five year warranty.



Cat. No.	Description	Each
28-801	Wave-Plus Magnifier with Clamp Mount	$325.00
28-621	Optional 8-Diopter Lens	48.50
28-811	Replacement 13W Fluorescent Tube	17.00
28-002	Replacement Clamp Bracket	11.95

ELECTRIX® INC.

Halogen Task Lamps



Versatile task lamps deliver bright, white light exactly where needed. Low-voltage, 20W halogen lamp mounted on 25" reach flexible arm. Compact shade with built-in UVB filter measures 3 x 3" and remains cool during operation. Compact 3" diameter base. 9' grounded power cord. Durable all-metal construction. 115VAC. Five year manufacturer's warranty. **381-002** has a weighted-base, desk-mount model for general purpose use. **381-003** is a clamp-mount model for attachment to desk, workstation, etc. Includes heavy-duty zinc-cast positive locking clamp for surfaces up to 2.25" thickness. **381-004** is a magnetic base model for instant attachment to any vertical or horizontal metal surface with its 80 lb. magnet. Excellent machine lamp has extended 30" reach flexible arm.

Cat. No.	Description	Each 1-5	6-11
381-002	Halogen Task Lamp w/Table Mount	$110.00	$99.00
381-003	Halogen Task Lamp w/Clamp Mount	107.50	96.75
381-004	Halogen Task Lamp w/Magnetic Mount	112.50	101.25
381-022	Replacement 20W Bulb	9.50	8.55

ELECTRIX® INC.

Alpha-Series Halogen Magnifier



Portable, compact unit features a powerful energy saving 50W halogen task lamp providing 150% the output of a standard 100W bulb. 5" diameter, 3-diopter magnifier. Lamp and magnifier mounted on separate 22" reach flexible arms. Provides for highly detailed inspection under bright, white light. Lamp shade with built-in UVB filter remains cool during operation. All metal construction and 9' grounded power cord. Five year manufacturer's warranty.

Cat. No.	Description	Each 1-5	6-11
381-001	Halogen Magnifier	$150.00	$135.00
381-011	Replacement 50W Bulb	7.50	6.75

ProVision 100™ Fiber-Optic Inspection Scope

➥ Time and Money Saver for Electricians, Telecom Installers and Other Professionals

➥ Built-in Illuminator

High-quality, affordable flexible borescope/fiberscope allows detailed viewing into holes and confined spaces with as little as $^1/_2$" clearance. See behind walls, inside machinery, and more without costly demolition or disassembly. High-resolution lens provides clear image of objects as close as $^3/_4$" and over 1' away. Wide, 40-degree field of view. Powerful 2.4V lamp illuminates dark spaces on-demand with pushbutton on handle. 18" cable adjusts to any position and maintains its position until re-adjusted. Sealed lens is submersible underwater. One-handed focus ring and comfort-designed non-slip handle. Includes rugged storage case. Requires two AA batteries sold separately.



Cat. No.	Description	Each
301-001	ProVision 100 Fiber-Optic Inspection Scope	$299.00
473-002	AA Alkaline Battery	.91

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Super Magna-Lite



➥ 2X lens with 4X bifocal
➥ Includes flashlight

Large size model with unbreakable, 3½" diameter optical quality magnifying lens. Wide lens plus bright illumination allows easier inspection of microcircuits, miniature assemblies, and intricate detail work. Ruggedly built, weighs 7½ oz. 9" long. Complete with bulb and AA penlight batteries.

Cat. No.	Description	Each 1-5	6-11
152-200	Super Magna-Lite	$17.95	$16.16

For replacement batteries, see page 311

BAUSCH & LOMB Watchmaker's Loupes



➥ Single and double lens models

Lightweight and easy to wear, making inspection and small parts assembly simpler and easier. Reduce eye strain, help eliminate errors and increase efficiency.

Cat. No.	Working Distance	Magnification	Each 1-5	6-11
11-102	1"	10x	$13.95	$12.56
11-104	1.5"	7x	11.25	10.13
11-106	2"	5x	11.25	10.13
11-114*	1.25, 0.5"	8x, 18x	24.00	21.60

*Double lens model

BAUSCH & LOMB Folding Pocket Magnifiers



General purpose magnifiers feature two individual lenses in a swing-away protective case that doubles as a handle. Lenses can be used alone or in combination to produce three different powers.
11-122: working distance: 2.5 - 1.1".
11-123: 2.0 - 0.8".

Cat. No.	Description	Magnification	Each 1-5	6-11
11-122	Folding Pocket Magnifier	4-9x	$18.95	$17.06
11-123	Folding Pocket Magnifier	5-12x	18.95	17.06

Illuminated Magnifier Visor



Ideal for hands-free precision work and inspection. Includes 4 interchangeable lenses: 1.2x, 1.8x, 2.5x and 3.5x.. Lens swivels out of the way when not in use. Built in illuminator head swivels to most any position. Comfortable, fully adjustable headband. Includes storage case for lenses. Requires two AAA batteries sold separately.

Cat. No.	Description	Each 1-5	6-11
803-550	Illuminated Magnifier Visor	$49.95	$44.96
473-001	AAA Alkaline Battery (two required)	.94	-

BAUSCH & LOMB Illuminated Coddington Magnifier

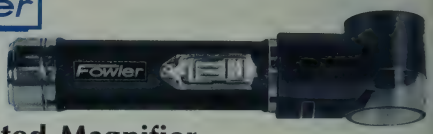


➥ 10-power

Lens is thick cylinder of glass V-grooved at the center. Tip of flashlight bulb in groove sends light through the lens. The lens itself illuminates the object being examined. 10X magnification. Operates on AA penlight batteries sold separately. 5½" long.

Cat. No.	Description	Each 1-5	6-11
11-161	10-Power Magnifier w/Bulb	$27.00	$24.30
473-002	Alkaline AA Battery	.91	-

Fowler Illuminated Magnifier



Features 10x magnification with excellent illumination. Includes a rust-proof brass battery case. Requires two "C" batteries sold separately.

Cat. No.	Description	Each 1-5	6-11
102-050	Illuminated Magnifier	$33.00	$29.70
473-003	Alkaline C Battery	1.51	-

Hands-Free Dual Lens Magnifier



➥ Includes 1.6X and 2X lenses

This head-mounted magnifier offers distortion-free magnified viewing in a comfortable, ultra-lightweight (1.75 oz.) unit. Binocular lenses pop out to change power. Cushioned headband. Visor swings out of the way when not in use. Wear with or without eyeglasses.

Cat. No.	Description	Each 1-5	6-11
472-001	MagEyes Hands-Free Dual Lens Magnifier	$24.50	$22.05

OptiVisor® Headband Magnifier



Precision binocular magnifier permits reduces eye strain while leaving both hands free for close accurate work. Optical glass prismatic lenses. Adjustable pivot allows visor to be tilted out of the way when not needed. Comfortable padded adjustable headband. High-impact plastic frame.

Cat. No.	Description	Mag. Power	Diopter	Each
803-503	Optivisor Magnifier	1¾X	3	$32.00
803-505	Optivisor Magnifier	2½X	5	32.00



MAG
MAGLITE

Flashlights

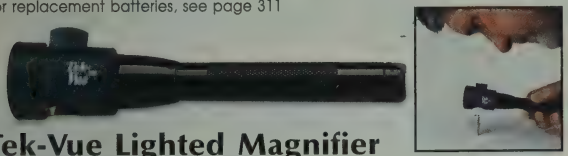
- Anodized aluminum construction
- Adjusts from spot to flood
- All models include spare bulb
- Full lifetime warranty

C and D Cell Maglites feature patented self-cleaning switch with rubber thumb button and White Star® krypton bulb. Requires two batteries sold separately.

Mag Charger™ System features NiCad battery, charger works on 12V power or 120VAC outlet. One-hour charging time. Includes Mag Charger flashlight, 12/120V charging unit, battery pack and two mounting brackets.

Cat. No.	Description	Each 1-5	6-11
686-004	C-Cell Mag-Lite, 2-Cell	23.50	21.15
686-006	D-Cell Mag-Lite, 2-Cell	26.50	23.85
686-008	Mag Charger System	129.00	116.10
686-007	Replacement Bulb, C or D Cell, 2/pk.	2.50	2.25
686-009	Replacement Bulb, Mag Charger	5.70	5.13
473-003	Alkaline C Battery	1.51	-
473-004	Alkaline D Battery	1.57	-

For replacement batteries, see page 311



Tek-Vue Lighted Magnifier

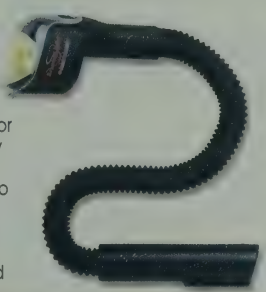
- Fits Mini-Maglite Flashlights
- Unique design allows for detailed viewing down small holes to 1" deep

High-performance magnifier attachment fits Mini-Maglite flashlights (sold separately, this page). Coaxial illumination provides wide area illumination and a bright, narrow light beam straight down, allowing clear viewing of surface details to bottom of small holes. 3.8x magnification. One-year manufacturer's warranty.

Cat. No.	Description	Each 1-5	6-11
260-100	Tek-Vue Lighted Magnifier	$14.95	$13.46

BLACK & DECKER

SnakeLight® Flexible Flashlights



Handy flashlight may be bent or twisted to direct light where needed for hands-free convenience. High-intensity bulb and reflector. Tough ABS construction. Locks in folded position to function as a conventional flashlight. **836-100 Original Snakelight** is 15" long folded and uses 2-C batteries. **836-101 Mini-Snakelight** is 7 1/4" long folded and uses 2-AA batteries. Batteries included.

Cat. No.	Description	Each
836-100	Original Snakelight	$21.95
836-101	Mini-Snakelight	16.95

For replacement batteries, see page 311



MAG
MAGLITE

Mini Maglite® Miniature Flashlights

Measures less than 6" and fits easily into pocket or tool kit. Rugged anodized aluminum construction. Adjusts from spot to flood. Includes spare bulb in tail-cap. Supplied in presentation box. Includes two AA alkaline batteries. Full lifetime manufacturer's warranty.

686-001 Mini Maglite Combo includes flashlight (black), pocket clip, lanyard wrist strap, lens holder, red/amber/clear lenses, and two AA alkaline batteries.

Cat. No.	Description	Each 1-5	6-11
686-002	Mini Maglite, Black	$14.50	$13.05
686-010	Mini Maglite, Red	14.50	13.05
686-011	Mini Maglite, Blue	14.50	13.05
686-001	Mini Maglite Combo, Black	17.50	15.75
686-003	Replacement Bulb, Mini Maglite, 2/pk.	2.50	2.25

For replacement batteries, see page 311



Mini Maglite® Accessories

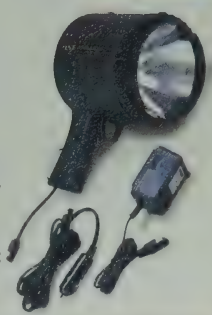
Fits Mini-Maglite and other miniature flashlights. Flexible **Fiber Optic Adapter** provides precise illumination of the smallest areas. **Cordura® Holster** with belt loop provides protection and convenience. **Headband** turns most mini-flashlights into a headlamp. Comfortable non-elastic headband remains stable during activity.


401-004

Cat. No.	Description	Each 1-5	6-11
632-001	Fiber Optic Adapter, 7"	$7.00	$6.30
401-005	Fiber Optic Adapter, 20"	9.00	8.10
216-429	Cordura Holster	5.95	5.36
401-004	Headband, AA size	5.99	5.39

KOEHLER-BRIGHT STAR

Nite Tracker® Cordless Rechargeable Spotlight



Incredibly bright, 1-million candlepower spotlight will light up objects over a mile away. 20x brighter than auto headlights with minimal battery drain. Operate from any 12V DC source, or internal battery allows 20-minute operating time. 100w quartz halogen lamp with parabolic reflector. Dual recharge: AC house current or 12V DC power source. Shatter-proof Lexan® lens. Includes AC and DC recharging cords.

Cat. No.	Description	Each 1-5	6-11
160-006	Cordless Rechargeable Spotlight	$86.50	$77.85

Don't ask a toy to do a tool's job.



Would you expect a toy power drill to make a real hole? Or a child's flashlight to survive your tough working environment? These days, more MRO professionals agree with the world's law enforcement and rescue experts. They choose tough, powerful, supremely reliable Streamlight industrial flashlights, lanterns and head lamps as their lighting tools. Streamlights have durable machined aluminum cases that are as strong as steel, but a lot lighter. Or engineered polymer cases which are non-conductive and almost indestructible. Whether rechargeable or alkaline, our lights are individually tested before leaving the factory. Stylus™ and BatonLite® use energy-efficient hi-intensity LED bulbs lasting over 100,000 hours. Vulcan™, PolyStinger™ and Syclone® comply with Factory Mutual or Underwriters Laboratories' hazardous location standards. All are built to world-class Streamlight standards, right down to our famous bulletproof warranty. So next time, get yourself a real lighting tool. Ask for a genuine Streamlight. And leave the toys at home for the kids.

STREAMLIGHT

Use Streamlight, the power tool.

See opposite page for more information

TopSpot® 2 Combination Flashlight/ Headlamp



➥ **5600 candlepower Krypton bulb**

Adjustable beam focus and powerful light source make this light ideal for demanding field use. 45° tilt head. Padded inner lining and elastic band allows the unit to convert to headlamp for hands-free operation. Operates 4 1/2 hours on four AA batteries sold separately.

Cat. No.	Description	Each 1-5	6-11
777-739	TopSpot Flashlight/Headlamp	$26.95	$24.26
777-738	Replacement Bulb	3.50	3.15
473-002	AA Alkaline Battery (four required)	.91	-



BATONLITE® Hi-Intensity LED Flashlight



➥ **Tri-LED array produces 42,000 millicandelas of light**

➥ **Ultra-rugged construction - preferred by law enforcement and other professionals**

Features an array of three super-bright LED "solid-state" bulbs delivering brilliant white light. Easily illuminates a room, vehicle or pathway. Machined aluminum with non-slip knurled grip. Black anodized inside and out to prevent corrosion. O-ring sealed. Unbreakable Lexan® lens. Dual switch operation: momentary blink and locking-on. 100,000 hour bulb life. Operates over 12 hours continuously on three N batteries (included). Rear swivel collar with lanyard. Includes detachable key-ring. 5 1/2 long, 11/16" diameter. Individually serialized with lifetime manufacturer's warranty.

Cat. No.	Description	Each 1-5	6-11
434-025	Baton Lite LED Flashlight	$29.95	$26.96
434-026	N Alkaline Batteries/ 6/pack	7.95	-



PolyStinger™ Rechargeable Flashlight

Rugged flashlight has the power of flashlights many times its size. Xenon bulb produces 15,000 candlepower. Constructed of non-conductive nylon polymer with non-slip grip and unbreakable Lexan® lens. One-hour continuous run-time. UL safety approvals Class 1, Div. 2 Groups A,B,C,D Temp Rating T1 Class II, Div. 2, Group G Temp Code T3. Includes NiCd battery pack, 120V charger, 12VDC automotive charger, two charging holders, spare bulb in tail-cap. 7 3/8" long. 8.7 oz.

Cat. No.	Description	Each
434-019	PolyStinger Rechargeable Flashlight	$119.00



Stylus™ Hi-Intensity LED Penlights

➥ **Choice of LED color**

Finely crafted, ultra-slim penlights feature a hi-intensity LED "solid-state lamp" which lasts 100,000 hours and emits bright white or blue light. White model emits natural light for general purpose use. Blue model is excellent for use where preserving night vision is important. Operates over 10 hours on AAAA alkaline batteries included. Waterproof case. 6000-series tempered aircraft aluminum with black or gold anodized finish. Non-slip knurled grip. Pocket clip. Momentary and constant-on switches. Individually serialized with lifetime manufacturer's warranty. 434-022 features an attractive gold-anodized finish and presentation box.

Cat. No.	Description	Case Color	Light Color	Length	Each
434-018	Stylus Penlight	Black	White	6 1/4"	$19.95
434-020	Stylus Penlight	Black	Blue	6 1/4"	19.95
434-022	Stylus Penlight	Gold	White	6 1/4"	22.95

For replacement batteries, see page 311



Vulcan™ Rechargeable Lantern

➥ **Factory Mutual approved for use in hazardous locations**

Lightweight and powerful, the Vulcan features a halogen bi-pin 8 watt spot bulb providing up to 50,000 candlepower. 6 volt 4.5Ah sealed lead-acid battery provides 3.1 hours continuous run time. Waterproof to 100'. Non-conductive, high-impact ABS thermoplastic housing with cushioned grip handle. Sparkless solid-state switch. Meets FM Class I, Division 2, Groups A, B, C, D temperature rating T2A and Class II, III, Division 2, Groups F, G temperature rating T3C. Includes battery, AC/DC chargers, charging rack and shoulder strap. 7.5 x 5 x 6.6". 3.3 lbs. Safety yellow.

Cat. No.	Description	Each 1-5	6-11
434-017	Vulcan Rechargeable Lantern	$99.95	$89.95



Syclone® Hand-held/ Hands-free Flashlight

➥ **6000 candlepower krypton and LED backup bulbs**

Articulating flashlight head with 105° tilt. Provides 3 1/2 hours continuous burn time on 2.2 watt main bulb and 72 hours continuous on super-bright amber LED. Rugged polymer case with rotating clip and unbreakable lens. O-ring sealed and waterproof to 100ft. Requires 4-AA alkaline batteries (included). Safety yellow. FM-approved.

Cat. No.	Description	Each 1-5	6-11
418-806	Syclone Flashlight	$33.50	$30.15

For replacement batteries, see page 311

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Heads Up Lite™ Hands-Free Headlamp



Watertight to 500'. Two krypton lamps, one high-intensity and one low-intensity for extended burn time. Adjustable beam. Large on/off switch. Corrosion proof ABS polymer construction. Comfortable forehead pad and cloth elastic headband fastens securely to head or hats. Four AA batteries included. Carries FM, CSA, MSHA safety approvals.

Cat. No.	Description	Each
432-260	Heads Up Lite Hands-Free Headlamp	$33.50
432-264	Replacement Bulb, Low-Intensity	3.25
432-265	Replacement Bulb, High-Intensity	3.25

For replacement batteries, see page 311

L1™ LED Compact Flashlight



Provides a concentrated close-quarter beam. The LED lamp generates intense white light and provides 50,000 hours of usage. Uses four replaceable LR44 1.5V alkaline coin cells (included) for 100 hours of battery life. Compact rugged case measures $2^{11}/_{16}$ x 1" Built-in clip attaches flashlight to pocket or cap brim. Pushbutton end-mounted on/off switch. Includes break-away safety lanyard.

Cat. No.	Description	Each
432-100	L1 LED Flashlight	$13.25

For replacement batteries, see page 311

Super PeliLite™ Xenon Flashlight

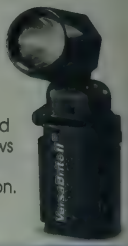


➥ 10,000 candlepower
➥ UL Class 1, Division 1 approved

Carries UL, FM, CSA, and MSHA safety approvals. 400% greater light output than conventional flashlights. Watertight to 500'. Unbreakable high-impact polycarbonate construction. Includes lanyard. Requires C batteries sold separately.

Cat. No.	Description	Each
[illegible]	Super PeliLite Xenon Flashlight	$23.25
[illegible]	Replacement Lamp for Super PeliLite	10.25
[illegible]	Alkaline C Battery (two required)	1.51

VersaBrite II™ Flashlight



➥ 6,000 candlepower

Versatile flashlight attaches to caps, coats, belts and hard hats. Multi-position o-ring sealed swivel head allows light to be positioned at any angle. High-output xenon bulb, precision focus reflector. Durable resin construction. Includes clear, red, and green disc, two AA batteries. Carries FM, CSA safety approvals.

Cat. No.	Description	Each
432-227	VersaBrite II Flashlight	$15.75
432-228	Replacement Lamp	5.95

For replacement batteries, see page 311

Super SabreLite® Xenon Flashlight



➥ 12,000 candlepower

Submersible to 2000'. Carries FM, CSA, MSHA, UL approvals. Meets UL Class 1, Division 1 and applicable military specs. Unbreakable polycarbonate construction. Xenon lamp is 400% brighter then conventional flashlights. Includes belt spring clip, stainless split-ring, lanyard. Requires three C batteries sold separately.

Cat. No.	Description	Each
432-200	Super SabreLite Xenon Flashlight	$30.95
432-201	Replacement Lamp	10.95
473-003	Alkaline C Battery (three required)	1.51

MityLite™ Mini-System

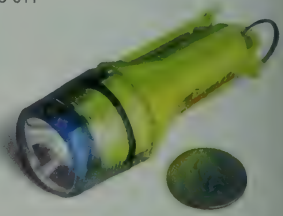


Watertight to 500'. Unbreakable high-impact polycarbonate resin. Xenon lamp is 400% brighter than ordinary pocket lights. Carries FM, CSA safety approvals. Includes MityLite, spare lamp, 90° light adapter, night vision lens, spare O-ring, two AAA batteries, key-chain ring.

Cat. No.	Description	Each
432-196	MityLite Mini-System	$17.50
432-190	MityLite Flashlight Only	12.95
432-198	Replacement Lamp	4.95

For replacement batteries, see page 311

Tracker™ Clip-on Flashlight

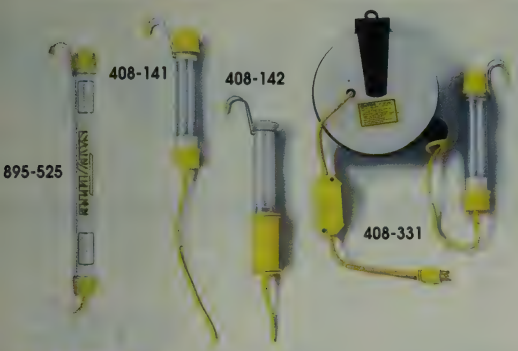


➥ 6,000 candlepower

Ultra-compact, lightweight flashlight measures $3^1/_2$ x $1^1/_4$" and features a powerful xenon bulb and focused reflector. O-ring sealed and submersible to 300 ft. Built-in clip quickly fastens to tool kit or cap brim. Removable key ring/lanyard. Requires 2 AAA batteries included. Lifetime factory warranty. Carries FM, CSA safety approvals.

Cat. No.	Description	Each 1-5	6-11
432-140	Tracker Clip-on Flashlight	$11.95	$10.76

For replacement batteries, see page 311



SAF/LITE. Worklights

- **High-intensity fluorescent lamp: 4X more efficient than incandescent**
- **Meets OSHA standards**

"Stubby" worklights are ideal for getting into small openings or tight turns. 13W fluorescent lamp is safe to handle, won't get hot, no danger of burns. Produces as much light as a 60W incandescent with lower energy consumption and bulb life up to 10x longer (10,000 hours typical). Full-length reflector for non-glare illumination. Constructed for rough-service with Lexan outer tube and protected power switch. Includes metal mounting hook. Optional **magnetic mounting clamp** provides added convenience. 115VAC.

408-141: Standard "Stubby" worklight with 25' power cord.

408-142: "Stubby II" includes all features of the standard "Stubby" with the addition of reflected end lighting similar to a conventional flashlight for seeing into tight places.

408-331: "Stubby" worklight on a fully grounded steel power reel with 40' retractable light cord and 2' line cord.

895-525: Lights a greater area than a 150W incandescent bulb for 1/10 the electricity. 15W fluorescent lamp is replaceable and protected by shatter-proof insulated enclosure. 25' cord, hanging hook. 115VAC. 20 x 1 3/4".

Cat. No.	Description	Each
408-331	Stubby Worklight w/40' Power-Reel	$89.00
408-141	Stubby Worklight w/25' Cord	39.00
408-142	Stubby II Worklight w/25' Cord	52.00
408-830	Magnetic Mounting Clamp	9.95
408-013	Replacement Lamp Assembly	9.95
895-525	Fluorescent Trouble Light	45.00



Portable Halogen Worklight

- **500 watts of power**

Powerful worklight features quality all metal construction. 90-degree tilting head. Weatherproof. Insulated rubber grip handle. On/off switch. 5' 18/3 SJTW-A power cord. Safety guard lens. Includes 500 watt halogen tube.

Cat. No.	Description	Each 1-5	6-11
543-770	Portable Halogen Worklight	$21.00	$18.90



Industrial Flashlights



221-618 High-impact industrial flashlight Requires two D-batteries sold separately.
221-217 UL and Bureau of Mines approved waterproof safety model Requires two D batteries sold separately.
221-100 AA penlight with on-off switch, batteries included.
1-020 AAA penlight, batteries included. (USA)

Cat. No.	Description	Each
221-618	Industrial Model Flashlight	$8.75
221-217	Safety Model Flashlight	11.90
221-100	Penlight w/AA Batteries	4.75
127-937	Penlight w/AAA Batteries	4.25
133-121	Magnetic Flashlight Holder, AA size	9.95
133-021	Magnetic Flashlight Holder, D size	19.95
473-004	Alkaline D Battery	1.57

For replacement batteries, see page 311

Portable Bend-A-Light Kit



Combines a high intensity beam with a flexible shaft to illuminate hard-to-reach areas. 1/8 x 10" shaft bends to almost any configuration. Reaches into areas as small as 1/4" wide. **891-030 Kit** includes a 16" Bend-A-Light, extension, mirror, separate hi-intensity penlight, and vinyl storage case. Uses three AA batteries sold separately.

Cat. No.	Description	Each
891-030	Bend-A-Light Kit	$35.95
891-101	Bend-A-Light Only	19.95
891-100	Replacement Bulb	6.95
473-002	AA Alkaline Battery (three required)	.91

SAF/LITE.

"Stubby II" 12V Worklights



Provides conventional area light plus end light for illumination of tight places. Rugged-service 13W fluorescent tube delivers light output equivalent to 60W incandescent with higher efficiency and longer life. Draws one amp at 12VDC. Unbreakable Lexan outer tube. Available with straight or coiled cable, both with standard cigarette lighter plug. One year manufacturer's warranty.
Note: For portable 12 volt power packs, see page 311

Cat. No.	Description	Each
408-713	Stubby II 12V Worklight w/5' Coiled Cord	$66.00
408-714	Stubby II 12V Worklight w/20' Straight Cord	63.00

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'CUDAS™

➥ **Single lens eye protection that adjusts to your face.**

Six-base lens curve and folded-back lens design provide increased peripheral vision and protection. Stylish frames made of durable, modified nylon.

Adjustable temple for individual fit in five different lengths.



Cat. No.	Description	Each 1-4	5-9
155-001	Cudas w/Clear Lens	$7.25	$6.67
155-002	Cudas w/Smoke Lens	7.75	7.13

Note: 'Cudas spectacles meet high impact requirements of CSA Z94.3. They do not meet CSA Z94.3 sideshield requirements.

Durable Cotton Jersey Gloves

100% cotton stretchable knit fabric provides an excellent fit. Ideal for light-duty tasks. One size fits all. Brown.



Cat. No.	Description	Each 1-4	5-9
777-807	Jersey Gloves, 8 oz., 12 pair/pkg.	$14.00	$12.60



25 Person First Aid Kit

Great for the small office or as an automotive kit. Plastic case. Meets ANSI Z308.1 Type 1 and Type 2 requirements.

Kit Contents:

1	Abdominal pad, 5" x 9" sterile	1	Eye wash 1 oz.
16	Adhesive bandages, plastic 1" x 3" sterile	6	First aid cream 1 g
	Adhesive bandages, elastic	1	Gauze bandage 2" x 6 yards sterile
	" x 3" sterile	4	Gauze pads 3" x 3"
	dhesive bandages, fingertip	6	Hand cleansing towelettes
	" x 3" sterile	1	Instruction card
	nesive bandages, knuckle	4	Medical exam gloves
	" x 3" sterile	1	Rubber elastic bandage 2"
9	septic prep pads	6	Safety pins
12	Ben alkonium chloride antiseptic towelettes	1	Scissors 4"
		1	Splinter forceps 3½"
1	Cold pack, instant	3	Sting Stop prep pads
1	Eye pad	1	Tape, roll ½" x 5 yards
		1	Triangle bandage

Cat. No.	Description	Each 1-4	5-9
155-020	First Aid Kit	$28.75	$26.45

Hy-Wires™ by Millennium



➥ **Stylish eye protection in a metal frame**

Adjustable nosepiece and temples for individual fit. Excellent coverage with sideshields. Lightweight for added comfort.

Cat. No.	Description	Each 1-4	5-9
155-011	Hy-Wires w/Clear Lens	$6.25	$5.75
155-012	Hy-Wires w/Smoke Lens	6.50	5.98

Bandido™ Safety Eyewear



➥ **Meet Requirements of ANSI Z87.1-1989**

➥ **Polycarbonate Lens**

Wrap around frameless design, lightweight and comfortable for all day use. Offers excellent all around eye protection while still allowing great peripheral vision. Lens coating provides anti-fog, anti-scratch, anti-static and anti-UV properties.

Cat. No.	Mfr. No./Description	Each
412-001	S1730X Black Frame Safety Eyewear, Clear	$7.00

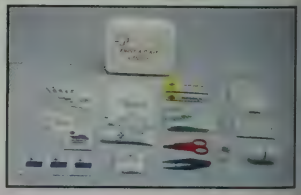
Leather Work Gloves



Comfortable and tough, seams away from wear surfaces. Elastic wrist back. Tan color.

Cat. No.	Description	Size	Each Pair 1-4	5-9
37-038	Gloves	Small	$16.25	$15.44
37-039	Gloves	Medium	16.25	15.44
37-040	Gloves	Large	16.25	15.44

Compact First Aid Kit



➥ **5 x 7 x 1 3/4", perfect for tool kit, glove box, or workstation**

First Aid Kit Contents:

- 16 Adhesive Strips 3/4" x 3"
- 6 Adhesive Strips, XL
- 4 Knuckle Bandages
- 1 Gauze Bandage, 2" x 5 yd.
- 1 Sunscreen Towelette
- 2 PVP Ointment Wipes
- 2 Gauze Pads, 3" x 3"
- 1 Adhesive Tape, 1/2" x 2 1/2 yd.
- 1 First Aid/Burn Cream, 7/8 oz.
- 6 Alcohol Preps
- 3 Sting Relief Wipes
- 6 Motion Sickness Tablets
- 6 Aspirin, 2/pk.
- 1 Tweezers
- 1 Scissors
- 1 Pair Nitrile Gloves

Cat. No.	Description	Each 1-5	6-11
777-689	Compact First Aid Kit	$17.50	$15.75

Industrial Back Support

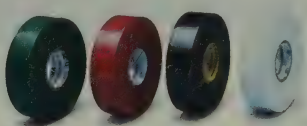


➥ **Provides a firm and consistent fit**

Two way stretch binding, lightweight Lycra™ powerknit. Plastic coated steel stays sewn into grip elastic pockets. 1 1/2" elastic shoulder straps, vinyl cinch pull tab. For size, measure just below navel over clothing.

Cat. No.	Description	Size	Each 1-4	5-9
39-100	Industrial Back Support	Small (28-32")	$32.00	$30.40
39-101	Industrial Back Support	Medium (33-38")	32.00	30.40
39-102	Industrial Back Support	Large (39-44")	32.00	30.40
39-103	Industrial Back Support	X-Large (45-49")	32.00	30.40

3M Electrical Tapes



➥ **High quality 33+ series**

➥ **UL listed**

1700 Series is for less demanding indoor jobs. **33+ Black Tape** is designed for more demanding environments. **35 Color Series** is perfect for those jobs that require color-coding.

Cat. No.	Mfr. No./Description	Size	Each 1-5	6-11
251-033	33+ Black Vinyl Tape w/Dispenser	–	$5.75	$5.18
251-131	33+ Black Vinyl	3/4" x 66'	4.25	3.83
251-132	35 White Vinyl	3/4" x 66'	3.95	3.56
251-136	35 Red Vinyl	3/4" x 66'	3.95	3.56
251-139	35 Green Vinyl	3/4" x 66'	3.95	3.56
251-175	35 Orange Vinyl	3/4" x 66'	3.95	3.56
251-176	35 Yellow Vinyl	3/4" x 66'	3.95	3.56
251-178	35 Blue Vinyl	3/4" x 66'	3.95	3.56
251-189	1700 Temflex Tape, rolls, 10/pk.	–	7.25	6.53

Electrical Tapes



2242 linerless electrical rubber splicing tape is good for all voltage splicing, insulating and jacketing and can withstand temperatures up to 194°F, 266°F short term.

1755 cotton friction tape is designed to provide abrasion protection in wire and cable splices as well as an overwrap for mechanical protection.

Cat. No.	Mfr. No./Description	Size	Each 1-5	6-11
251-242	2242 Rubber Tape	3/4" x 15'	$5.25	$4.20
251-755	1755 Friction Tape	3/4" x 60'	3.25	2.60

3M Duct Tape



2" wide, 60-yard rolls.

6969 Highland™ Duct Tape: Polyethylene-coated for moisture proofing, duct sealing, protection and general purpose applications.

3939 Tartan™ Duct Tape: Contractor/utility grade. Seals against air and moisture leaks and for temporary sealing and bundling.

Cat. No.	Mfr. No./Description	Each
251-696	6969 Duct Tape, Black, 1 roll	$10.50
251-697	6969 Duct Tape, Silver, 1 roll	10.50
127-554	3939 Duct Tape, Silver, 1 roll	5.35

Pro Pads® Knee Pads



Help protect knees from injury and discomfort. High-quality medical-grade elastic, stitched-on swivel caps, and extra long straps.

Cat. No.	Description	Each 1-5	6-11
51-012	Pro Pads Knee Pads, Pair	$16.95	$15.26

RAM Cap™ w/Rachet



➥ **Molded from high density lightweight polyethylene for protection and comfort**

Short peak design allows for greater upward vision. Comfortable four-point nylon suspension with Coolmax™ terrycloth sweatband. Universal slots for hearing, welding and faceshield accessories. ANSI Z89.1 Approved.

Cat. No.	Description	Each 1-4	5-9
155-031	White, RAM Cap w/Rachet	$10.00	$9.20
155-033	Blue, RAM Cap w/Rachet	10.00	9.20

Heat Shrinkable Tubing



Meets MIL-1-23053/5, AMS-3636 and AMS-3637. Hot air heat is preferred for shrinking process, however any heating device capable of delivering 250°F can be used. Contains thirty 6" length pieces in assorted diameters and colors.

Cat. No.	Description	Each 1-5	6-11
80-856	Heat Shrinkable Tubing	$7.50	$6.75

Heat Shrink Tubing Kit



➥ **86 4" pieces in 6 sizes**

➥ **Meets Mil Standard 23053/5**

Sizes and amounts included are (36) 3/16", (24) 1/4", (12) 3/8", (6) 1/2", (4) 3/4", and (4) 1". 1/2" expanded diameters when shrunk. Flame retardant with UL and CSA certification. Recommended shrinking heat is 120-250°C.

Cat. No.	Description	Each 1-4	6-11
426-135	Heat Shrink Kit, 86 pc.	$18.25	$14.60
426-352	3/16" Refill, Black, 36 pc.	4.95	3.96
426-353	1/4" Refill, White, 24 pc.	4.95	3.96
426-354	3/8" Refill, Red, 24 pc.	4.95	3.96
426-355	1/2" Refill, Black, 12 pc.	3.95	3.16
426-356	3/4" Refill, White, 12 pc.	3.95	3.16
426-357	1" Refill, Red, 8 pc.	3.95	3.16

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Electronic and Industrial Products



Envi-Ro-Tech™ 1671 Duster: HFC-134a gas removes particles without harmful solvents. 10 oz. aerosol with reusable chrome trigger assembly or 10 oz. disposable aerosol fixed trigger valve.

Envi-Ro-Tech 1672 Freeze Spray: Chills to 62°F, locates faulty components, cold solder joints, etc. 10 oz. disposable aerosol.

Envi-Ro-Tech 2410 Kleen-It: Cleans and lubricates, contains silicone. Non-flammable. 12 oz. disposable aerosol.

Envi-Ro-Tech 1677 Universal Cleaner: Removes oils, grease, dirt, silicone, fluxes, etc. Safe for use on most electronic equipment. 12 oz. disposable aerosol.

1610 Isopropyl Alcohol Wipes: Cleans tape heads, removes flux, light oils and white mineral residue. 48 wipes saturated with 99% pure isopropyl alcohol in anti-static pop-up dispenser.

1665 Flux Remover AMS: Superior flux removal for type R, RMA, RA and synthetic fluxes. Non-flammable, safe on plastics, metals and elastomers.

1667 Blue Shower® II: General cleaner and degreaser. Removes hand oils, solder oils, greases, silicone, fluxes and similar soils. Excellent for tape head cleaning and general degreasing. Non-flammable, safe on plastics and metal.

Cat. No.	Mfr. No./Description	Each
806-670	1671 Duster w/Chrome Trigger, 10 oz.	$35.00
806-673	1671 Duster Refill for 806-670, 10 oz.	7.50
806-928	- - - Chrome Trigger only	27.50
806-671	1671 Disposable Duster, 10 oz.	7.25
806-672	1672 Freeze Spray, 10 oz.	8.25
806-410	2410 Kleen-It, 12 oz.	12.50
806-677	1677 Universal Cleaner, 12 oz.	11.00
806-610	1610 Alcohol Wipes, 48/pk.	15.00
806-665	1665 Flux Remover AMS, 8 oz.	15.95
806-667	1667 Blue Shower II, 8 oz.	15.25

Industrial Nitrile Gloves



➥ **Anti-static**

100% nitrile. Greater puncture resistance with no natural latex and no latex proteins. Disposable. Ambidextrous with a beaded cuff to resist roll down.

5 Mil Powder Free

➥ **Smooth grip surface**

5 mil, 0.005" thick, 10" long. Packaged 100 gloves per box.

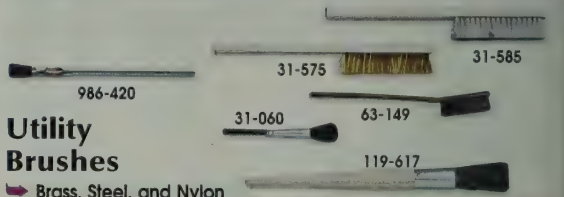
Cat No.	Description	Size	Price
412-434	5 Mil Powder Free Nitrile Gloves	Small	$17.40
412-435	5 Mil Powder Free Nitrile Gloves	Medium	17.40
412-436	5 Mil Powder Free Nitrile Gloves	Large	17.40
412-437	5 Mil Powder Free Nitrile Gloves	Extra Large	17.40

8 Mil Lightly Powdered

➥ **Textured finger grip surface**

8 mil, 0.008" thick, 10" long. Packaged 50 gloves per box.

Cat No.	Description	Size	Price
412-438	8 Mil Lightly Powdered Nitrile Gloves	Medium	$17.30
412-439	8 Mil Lightly Powdered Nitrile Gloves	Large	17.30
412-440	8 Mil Lightly Powdered Nitrile Gloves	Extra Large	17.30



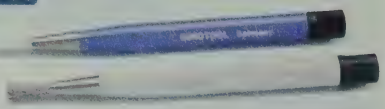
Utility Brushes

➥ **Brass, Steel, and Nylon**

Cat. No.	Description	Length	Each 1-4	5-11
31-585	Steel Scratch Brush	8"	$7.50	$6.00
31-575	Brass Scratch Brush	8"	7.95	6.36
63-149	Nylon Toothbrush Style Brush	6"	2.75	2.20
31-060	Nylon Small Camel Hair Brush	4"	3.50	2.80
119-617	Nylon Large Cleaning/Dusting Brush	10"	4.95	3.96
986-420	Acid Brush, 144/bx.	6"	13.50	12.15

EURO TOOL

Retractable Scratch Brushes



For removing contamination and corrosion from hard-to-reach areas. Metal ferrules for durability. Twist cap to lengthen or shorten bristles.

Cat. No.	Description	Each 1-5	6-11
[illegible]	Scratch Brush, Steel Bristles	$6.50	$5.85
[illegible]	Scratch Brush, Nylon Bristles	5.75	5.17

3M

Hook & Loop and Dual Lock Reclosable Fasteners



➥ **Advanced closure alternatives**

Hook & Loop Fasteners offer general purpose fastening with pressure-sensitive rubber adhesive that bonds to most surfaces.

Dual Lock Reclosable Fasteners are for high performance applications and have a very high bond UV and plasticizer resistant adhesive.

Cat. No.	Description	Size	Each 1-4	5-11
251-526	Hook & Loop Fasteners, Black	1" x 4.9 yds.	$37.00	$29.60
251-560	Dual Lock Reclosable Fasteners, Clear	1" x 4.9 yds.	81.25	65.00



STANLEY

Surge Protectors

$20,000 connected-equipment warranty. Ground and surge protection indicators. Six grounded outlets. 740-900 joule protection.

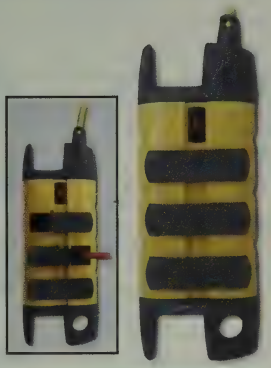
294-001 Inline model features 6' power cord, 15A circuit breaker, unused outlet lock-outs and cord management claws.

294-002 Wall mount model features phone/fax/modem protection with built-in line splitter.

Cat. No.	Description	Each 1-5	6-11
294-001	Surge Protector, Inline	$14.95	$13.46
294-002	Surge Protector, Wall Mount	10.95	9.86

STANLEY
CONTRACTOR GRADE™

Six-Outlet Power Strip



Heavy-duty metal enclosure with rubber ends prevents unwanted movement and damage. Rubber outlet covers. Cord wrap channels store up to 15' of cord. Multi-use heavy-duty anchor hole for storage and hanging. 6', 14-gauge power cord with high-grip plug. Lifetime manufacturer's warranty.

Cat. No.	Description	Each 1-5	6-11
294-003	Six-outlet Power Strip	$14.95	$13.46

50' Tri-Connect Outdoor Extension Cord



14-gauge, 3-wire grounded extension cord with three grounded outlets. Rated 15A (1875W) load. Orange vinyl.

Cat. No.	Description	Each 1-5	6-11
394-100	50' Tri-Connect Extension Cord	$23.00	$20.70

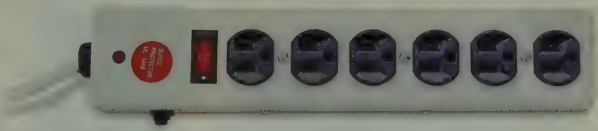
TRIPP LITE
POWER PROTECTION



8-Outlet Industrial-Grade Power Strip

Convenient multiple AC outlets wherever needed. Heavy-duty metal housing stands up to demanding comm-site, network, lab or factory environments. Configured to mount on walls, workbenches or inside rack enclosures. On/off switch. 15A circuit breaker. Eight NEMA 5-15R three-prong grounded outlets. 15' power cord.

Cat. No.	Description	Each 1-5	6-11
205-408	8-Outlet Industrial Power Strip, 24"	$51.00	$45.90



Economy Power Strip

Rugged six-outlet power strip features metal case with enamel finish. 15A circuit breaker with reset button. MOV circuit provides surge protection. 6', 14 AWG power cord. Rated 125VAC, 15A, 1875W. UL and CSA listed.

Cat. No.	Description	Each 1-5	6-11
502-667	6-Outlet Power Strip	$13.50	$11.66

TRIPP LITE
POWER PROTECTION

Surge Suppressor with Modem/ FAX Protection



Provides surge and noise suppression for both equipment power line and telephone line input. Suppression up to 450 joules. Will handle up to 27,000A spikes. Six electrical outlets. 3.5' power cord. RFI/EMI line noise filtering exceeds 20dB at 1Mhz. "Protected" LED. RJ-11 jacks for modem/FAX. Lifetime warranty.

Cat. No.	Description	Each 1-5	6-11
205-006	Surge Suppressor w/Modem/FAX Protection	$21.00	$18.90

Multi-Use Cord Reel



Features six grounded three-prong outlets and 20', 16 gauge three-conductor power cord. Rated for both indoor and outdoor use. Provides the convenience of an extension cord and power distribution panel in one compact self-storing unit. Circuit breaker guards against over-loads above 10 amps. Durable heavy plastic case.

Cat. No.	Description	Each 1-5	6-11
756-500	Six-Outlet Multi-Use Cord Reel	$33.00	$29.70

Rugged Outdoor Extension Cords



Industrial-quality three-wire grounded extension cords. All-season vinyl jacket remains flexible. Meets OSHA and UL standards. Heavy-duty 12-gauge or medium-duty 16-gauge wire. 125VAC rated.

Cat. No.	Description	Length	Amps/Watts	Each 1-5	6-11
543-001	12-Ga. Extension Cord	25'	15/1875	$15.95	$14.36
543-002	12-Ga. Extension Cord	50'	15/1875	26.00	23.40
543-003	12-Ga. Extension Cord	100'	15/1875	46.00	41.40
543-004	16-Ga. Extension Cord	50'	13/1625	16.75	15.07
543-005	16-Ga. Extension Cord	100'	10/1250	28.50	25.65

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3M





Optional Cordura Case

115VAC 230VAC

Service Vacuum Cleaner

➥ Static grounded ➥ EMI/RFI filtered ➥ Toner safe

Lightweight, compact, portable vacuum cleaner designed specifically for cleaning toner from copying machines and for general cleanup tasks. The included 10 micron toner/dirt filter holds 5-9 lbs. of toner and provides maximum protection to motor. **Fine Particle Filter** (.3-.5 micron) for laser toner is optional. 1 HP/5 Amp motor features sealed ball bearings lubricated for life. Continuous duty rated and thermally protected with automatic reset. Completely grounded from wall plug to tips of attachments. Heavy-duty case holds self storing vacuum hose, crevice nozzle, tubular nozzle, dusting brush and adapter, and line cord. 17.5 x 6.25 x 7.5". 9 lbs. Three year warranty.

Optional **Black Cordura® Case** fits over vacuum as shown and holds it securely with two 1.5" wide nylon straps. Top of bag has 17.5 x 7 x 4" zipper closure compartment for storing accessories. Includes web strap handles and shoulder strap. 17.5 x 7.5 x 9.5" overall.

Note: For a complete list of replacement parts and accessories, call Jensen's FaxBack at 602-453-2671. Request document #251497

Cat. No.	Description	Each
251-497	Vacuum Cleaner, 115VAC	$269.00
251-555	Vacuum Cleaner, 230VAC	299.00
260-001	Replacement Toner/Dirt Filter	23.00
260-805	Optional Carrying Strap	14.00
260-113	Optional Fine Particle Filter	27.95
409-555	Optional Black Cordura Carrying Case	75.00

HOOVER

Porta Power Commercial Vacuum

➥ Vacuum or blower
➥ Powerful 2.2 peak HP motor



Has all the features and accessories required for general cleaning needs (not for toner). Extra long 35' power cord. Disposable bag adapter kit provides a convenient alternative to emptying the reusable bag. Includes 6' Tufflex hose with suction power control, dusting brush, hard floor brush, crevice tool, upholstery and drapery tool, combination floor and carpet tool, two 20" wands, shoulder strap and 1 gallon reusable cloth bag. 115VAC. One year manufacturer's warranty. Optional **Cordura Carrying Case** will accept vacuum with room for attachments.

Cat. No.	Description	Each
299-022	Porta Power Vacuum	$147.00
216-530	Optional Cordura Carrying Case	53.00
299-050	Disposable Bag Adapter Kit	8.00
299-038	Disposable Bags, 5/pkg.	5.50

shop-vac®

Hippo® Portable Handheld Vacuum



Dependable power with lightweight portability. Powerful 1.5 peak HP motor provides 80 CFM, 50" sealed pressure. One quart dry capacity. Easily converts into a blower. Dual filter system with disposable filter bag. Includes 1¼" diameter 6' hose, extension wand, 6" master nozzle, crevice tool, round brush, conversion unit, 2½" hose coupling and adjustable shoulder strap. One year manufacturer's warranty.

Cat. No.	Description	Each
175-919	Hippo Vacuum, 115VAC	$152.00
175-462	Replacement Filter Bags, 5/pkg.	14.50

shop-vac®

850-Series Wet/Dry Vacuum

➥ 6 & 10 gallon capacity
➥ One year manufacturer's warranty



Powerful 4.0 HP single-stage bypass motor provides 130 CFM airflow. 60" sealed pressure. Double filtration system with primary cloth filter and secondary foam filter for optimum performance. Attachments include: 7' x 1¼" diameter hose, extension wands, 12" floor nozzle with brush and squeegee inserts, crevice tool, round brush, Gulper nozzle. 6' x 2½" hose, extension wands and utility nozzle. 115VAC, 10A.

Cat. No.	Mfr. No./Description	Capacity	Each
175-851	850-Series Wet/Dry Vacuum	6 gallon	$169.00
175-852	850-Series Wet/Dry Vacuum	10 gallon	199.00

shop-vac®

1X1® Wet/Dry Vac



Powerful 1.0 peak horsepower motor and a 1 gallon tank to handle most any cleanup need, wet or dry. Rust and dent-resistant plastic tank. Automatic shutoff prevents overflow. 4' hose. 18' power cord. Includes gulper nozzle, crevice tool, reusable dry filter and foam filter. Two year warranty.

Cat. No.	Description	Each 1-5	6-11
175-597	All-purpose Portable Wet/Dry Vac	$53.00	$47.70

METRO

Data-Vac/2 Pro-Series



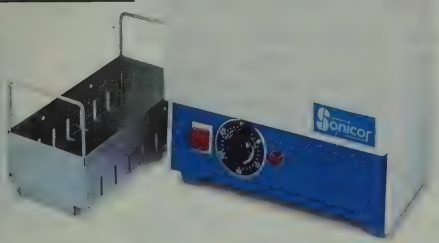
- Toner safe
- Includes Micro Cleaning Tool Kit

Professional lightweight, high powered vacuum/blower for maintenance of all office equipment, including copiers and laser printers. Triple filtration system includes a toner filter inside a permanent cloth bag followed by a fiberglass micro filter. Filters particles as small as .3 microns. All-steel construction with black finish to hide toner smudges. 1.17 peak HP motor. CFM power control. Convenient cord storage halo. Includes power unit, 3' flexible hose, two 20" extension wands, "pik-all" nozzle, air concentrator nozzle, crevice tool, soft bristle dusting brush, air pin-pointer, shoulder strap, micro cleaning tool kit, two extra toner filter bags, one extra micro-filter. 115VAC. Two year manufacturer's warranty.

Cat. No.	Mfr. No./Description	Each
302-801	Data-Vac/2 Pro-Series Vacuum/Blower	$158.00
302-807	Replacement Filters, 5/pkg.	31.00







Sonicor

Solid State Ultrasonic Cleaners

- 3 sizes to choose
- 60,000 cycles-per-second action

Compact, solid state cleaners with heater thermostat pre-set at 140°F. Timer can be set for any period up to 30 minutes. One piece assembly with stainless steel round cornered tank and illuminated pushbutton ON/OFF switch. 115VAC, 50/60 Hz.

2 Quart model:	3 Quart model:	1 Gallon model:
Tank size: 5½ x 5 x 4"	Tank size: 9 x 5 x 4"	Tank size: 9 x 5 x 6"
Overall size: 7 x 6 x 9½"	Overall size: 10½ x 6½ x 8½"	Overall size: 10½ x 6½ x 11½"

Cat. No.	Description	Each
893-050	2 Quart Ultrasonic Cleaner	$295.00
893-051	Basket/Strainer for 2 Quart Cleaner	30.00
893-052	Cover for 2 Quart Cleaner	15.00
893-100	3 Quart Ultrasonic Cleaner	395.00
893-110	Basket/Strainer for 3 Quart Cleaner	35.00
893-101	1 Gallon Ultrasonic Cleaner	450.00
893-002	Basket/Strainer Tray for 1 Gallon Cleaner	40.00
893-001	Cover for 3 Quart and 1 Gallon Cleaner	20.00
803-756	Parts Cleaning Basket	3.95

METRO

Data-Vac/1 Pro-Series



- Fully portable vacuum/blower
- Includes Micro Cleaning Tool Kit

Designed to remove dirt, dust and paper scraps from hard-to-reach places in printers, computer systems and peripheral devices. Lightweight, easy-to-use. Rugged, all-steel construction. Micro-cleaning tool kit allows easy cleaning in very tight places. Includes power unit, 19" flexible hose, 4-piece micro tool kit, crevice tool, pin-point air tool, soft bristle dust brush, shoulder strap, 5 reusable/disposable paper bags. 16"L x 3¾"D. 115VAC. One year manufacturer's warranty. *Not for toner.*

Cat. No.	Mfr. No./Description	Each
302-011	Data-Vac/1 Pro-Series Vacuum/Blower	$69.00
302-002	Replacement Bags, 5/pkg.	4.95

METRO

115VAC
230VAC

Data-Vac/3 Pro-Series



- Toner Safe
- Nearly twice the power of Data-Vac/2 Pro
- Includes Micro Cleaning Tool Kit

Has all the features and attachments of the popular Data-Vac/2, but with more powerful 1.7 peak HP, two-speed motor providing greater suction and flow. Additional features result in no appreciable weight increase over the Data-Vac/2. Compact power unit measures 17 x 7". Two year manufacturer's warranty.

Cat. No.	Mfr.No./Description	Each
302-013	Data-Vac/3 Pro-Series Vacuum/Blower 115VAC	$194.00
302-023	Data-Vac/3 Pro-Series Vacuum/Blower 230VAC	214.00
302-807	Replacement Filters, 5/pkg.	31.00

METRO

Carrying Case for Data-Vacs 2 & 3



- Adds greater convenience and protection

Sturdy foam-filled carrying case with lift-out attachment tray. Rugged lightweight impact-resistant plastic. Rustproof solid brass hardware. Fits Data-Vac/2 and Data-Vac/3. Gray/black color.

Cat. No.	Description	Each
302-014	Data-Vac Carrying Case	$54.00

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MOTOROLA

Professional Two-Way Radios

NEW

Easy-to use high-performance business-band radios

All models include interference eliminator codes to eliminate channel chatter at the touch of a button, rechargeable battery pack, 10-hour charging adapter, antenna, belt clip, operator's manual and FCC licensing information. Rugged construction meets MIL-STD-810. One-year manufacturer's warranty.

418-815, 418-816 XTN-series UHF: 2-watt output. Single channel is user programmable with a choice of 56 frequencies and 121 interference eliminator codes. Selectible scramble mode provides greater privacy. Battery guage. Three call tones. Use with included NIMH rechargeable battery pack or 4-AA alkaline batteries. Includes swivel belt holster. Range up to 6 miles outdoors in open terrain and in buildings up to 250,000 square feet and 1-20 floors.

418-800 Spirit HP High-Power UHF: 4-watt output. Operates on yellow and brown dot frequencies with 10 pre-programmed frequency/interference eliminator channels. Hi-low power switch to conserve battery during short-range communication. Range up to 6 miles outdoors in open terrain and in buildings up to 300,000 square feet and 1-25 floors. **Not available for sale outside of USA**

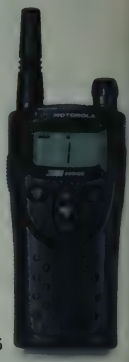
Cat. No.	Description	Each 1-5	6-11
418-815	2-way Radio, UHF, Black	$319.00	$287.10
418-816	2-way Radio, UHF, Safety Yellow	319.00	287.10
418-800	2-way Radio, UHF High-power, Black	429.00	386.10
437-133	Optional Speaker/Mic, for 418-800	85.00	76.50
418-817	Optional 2-hour Drop-in Charger for 418-815, 816	70.00	63.00
148-006	Optional 3-hour Drop-in Charger for 418-800	72.00	64.80
418-802	Optional Leather Case for 418-800	46.00	41.40
418-818	Replacement Battery Pack for 418-815, 816	36.00	27.00
418-801	Replacement Battery Pack for 418-800	35.00	31.50



418-800



418-816



418-815

KENWOOD®

FreeTalk™ Two-Way Radio

NO LICENSE REQUIRED!

Compact (4 x 2.2") FRS radios provide UHF performance for reliable short-range communication. 1/2-watt power allows range of up to two miles. 14 channels and 38 CTCSS talk groups. CORDS system automatically checks if others in your talk group are out of range. PrivacyTalk™ scrambles conversations to avoid eavesdropping. Auto channel select searches and locks on to a vacant channel. Four call tones. Auto "power-off" saves battery life. Fold-down antenna. Belt hook. 40 hour battery life. Requires three AA batteries sold separately. Or order optional, rechargeable NiCd battery pack and charger. One year manufacturer's warranty. **Not available for sale outside of USA.**



Cat. No.	Description	Each 1-5	6-11
75-010	FreeTalk Two-Way Radio, Black	$99.00	$89.10
75-010	FreeTalk Two-Way Radio, Hi-Visibility Yellow	99.00	89.10
75-006	Optional NiCd Battery Pack*	24.00	21.60
75-007	Optional NiCd Charger**	28.50	32.40
75-008	Optional Nylon Case with D-ring	15.00	13.50
75-009	Optional Speaker/mic with Volume Control	40.00	36.00
75-003	Optional Voice-Activated (VOX) Headset/Mic	64.00	57.60
75-011	Optional Clip Mic/Earphone	29.95	26.95
473-002	AA Alkaline Battery	.91	-

*Requires 75-007 battery charger

** For use with 75-006 NiCd battery pack only. Not for use with alkaline batteries

MOTOROLA

Model T5100 Personal Two-Way Radio 2-Pack

NO LICENSE REQUIRED!

Quality Motorola FRS radios feature 14 channels and plenty of talk power to keep in touch up to 2 miles away. Audible call alert. Backlit LCD channel and battery meter display. Low battery alert. Single key lock. Requires three AA batteries in each radio sold separately. **148-012 includes two radios. Not available outside of the USA.**



Cat. No.	Description	Each 1-5	6-11
148-012	T5100 Two-Way Radio, 2/pk.	$99.95	$89.96
473-002	AA Alkaline Battery	.91	

KENWOOD®

FreeTalk XL™ Two-Way Radio

EASY LICENSING!

15 Pre-programmed channels, 2-watts of power

High performance UHF radio features extra-rugged construction. Operates on GMRS channels 1-15, and FRS channels 1-7. 38 CTCSS codes block unwanted interference from other talk groups. Battery-saver. Low battery alert. Range up to 5 miles outdoors in open terrain and in buildings up to 250,000 square feet and 1-20 floors. Includes one battery pack, desktop charger, belt clip, user's manual and easy licensing information. 2 1/4 x 4", 11 oz. Two year manufacturer's warranty. **Not available for sale outside of USA.**



Cat. No.	Description	Each 1-5	6-11
75-005	FreeTalk XL Two-Way Radio	$269.00	$242.10

StreetPilot III™ GPS



- **Voice guidance**
- **Turn-by-turn Routing**

The StreetPilot III follows in the footsteps of the original StreetPilot, but goes a step further by adding turn-by-turn navigation, voice prompting and 16-color higher-resolution display. Completely portable: no monthly service fees, installation or external processor. Auto-routing function provides shortest and fastest routes, turn directions, and estimated time of arrival at the touch of a button. Automated voice prompts alert driver to necessary turns, distance to upcoming turns, course deviation and distance to final destination. Built-in basemap provides interstate highway and exit data, highways, rivers and lakes of the United States, Canada and Mexico, plus commonly used streets in metropolitan areas. MapSource™ City Navigator CD-ROM (included) is designed specifically for StreetPilot III and contains detailed streetmaps for major cities. Download map sets onto a removable memory cartridge (included). City Navigator is broken up into Detailed Coverage Areas (DCA). An unlock for any single DCA is included. Additional DCA unlocks may be purchased below. Includes GPS unit, auto mounting bracket, PC interface cable, cigarette-lighter power cable with built in speaker, 32-meg data card, USB data card programmer, City Navigator CD-ROM, manual and quick reference card. One year manufacturer's warranty.

Cat. No.	Description	Each
428-250	StreetPilot III GPS Navigation System	$999.95
428-701	Deluxe Carrying Case	32.00
428-560	Single DCA Unlock	127.00
428-561	All DCAs Unlock	318.00

GPS V



- **The first handheld GPS to provide turn-by-turn navigation throughout North America**
- **WAAS Capability**

Delivers automatic routing, detailed mapping and WAAS capability all in a compact handheld GPS. Look up a location and GPS V will automatically calculate a route and guide you to your destination with turn-by-turn directions and audible beeps that alert you to upcoming turns. Includes Mapsource® City Select™ CDROM providing access to detailed street-level maps of major metropolitan areas in seven different pre-defined regions in the U.S. and Canada. Includes highways, interstates, business and residential streets with attributes such as turn restrictions and speed categories. Access to any one region is included with purchase. Unlocks for additional regions may be purchased below.

Includes GPS receiver with detachable antenna, City Select CDROM, one U.S. or Canadian map coverage area, PC interface cable, automotive mount, 12-volt adapter cable, wrist-strap, owner's manual with quick-start guide. Requires four AA alkaline batteries (not included). 25-hour battery life. One year manufacturer's warranty.

Cat. No.	Description	Each
418-946	GPS V Navigation System	$499.95
418-947	Unlock, any one additional region	175.00
473-002	AA Alkaline Battery (four required)	.91

StreetPilot™ ColorMap GPS



Easy to use right out of the box. Shows destination and your position on the map. Press the find button and follow prompts to view the nearest businesses, attractions, shopping or food.

Brilliant, 240 x 128 pixel 16-color high-resolution display. Freeway exit data. Built-in moving map includes lakes, rivers, coastlines, interstates, national and scenic highways, and major airports. Screen width scale 500 feet to 5000 miles. 100 waypoints with name and symbol. Fast 12 parallel channel receiver. 15-second acquisition warm. Includes StreetPilot, PC interface cable, cigarette lighter adapter cord, user's manual, dash mount, quick reference card. One-year manufacturer's warranty.

Optional MapSource™ software (page 308) may be uploaded to your Streetpilot to provide highly detailed street-level or topographic maps right on the GPS screen. Requires optional 16MB or 32MB datacard for use with Mapsource software.

Cat. No.	Description	Each
428-200	StreetPilot GPS Receiver, Color	$655.00
428-202	Remote Antenna for StreetPilot, GPS-III Plus	99.95
428-540	Optional 16MB Datacard	108.00
428-545	Optional 32MB Datacard	174.95
473-002	AA Alkaline Battery (six required)	.91

GPS-12XL and GPS-12



428-025 428-012

Indicates position in Lat/Lon, UTM/UPS or seven other coordinates anywhere on earth. Navigation is simple with moving map graphic plotter. User-selectable navigation guidance with highway or compass display. Resettable trip odometer. Indicates speed, bearing, elevation and time of day on backlit display. 12 parallel channel receiver for fast satellite acquisition and tight satellite lock, even under tree cover. 106 pre-defined map datums. Stores up to 500 waypoints and 20 routes. 12 hour battery life. Requires four AA batteries. Includes carrying case, wrist strap, user's manual and quick-reference card. One year manufacturer's warranty.

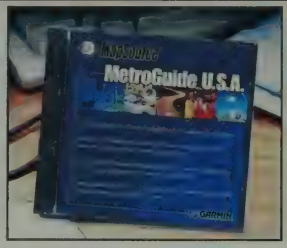
428-025 GPS-12XL: Accepts optional external antenna with MCX connector. Optional adapter to interface with antennas with BNC connectors available. Audible alert tones.

428-012 GPS-12: Same features as GPS-12XL except will not accept external antenna or power adapter, and does not include audible alert tones.

Cat. No.	Mfr. No./Description	Each
428-025	GPS-12XL GPS Receiver	$229.00
428-012	GPS-12 GPS Receiver	189.00
428-141	PC Interface Cable	38.00
428-203	Remote Antenna (For GPS-12XL only)	99.95
428-026	MCX to BNC Antenna Adapter (For GPS-12XL only)	25.00
428-500	Cigarette Lighter Adapter	23.00
428-165	Combination PC Interface/Cigarette Lighter Adapter Cable	45.00
473-002	AA Alkaline Battery (four required)	.91

GARMIN

MapSource™ CD ROM Software



- Upload detailed maps to your GPS.
- View/Print color maps on your PC

View and print color maps on a PC with zoom and pan functions for easy browsing. Trip and waypoint manager function create waypoints, routes and tracks and allows transfer between PC and nearly all Garmin GPS units. Map transfer function allows uploading of maps to GPS-V, GPS-III Plus, Streetpilot III and ColorMap, eMap and eTrex Vista*. Simply connect GPS to PC, select the area of the country you want and upload. Detailed maps appear on the GPS screen indicating your position right on the map. System requirements: Pentium processor, Windows 95/98/NT, 16M RAM, 20MB free hard disk space, CD-ROM drive, 256 color display, pointing device.

428-550 Metroguide U.S.A. provides highly-detailed street level maps of the continental US and Hawaii. Includes addresses, business listings and other points of interest. Allows street address lookup and navigation. (Map transfer function not compatible with GPS-III Plus).

428-510 Roads and Recreation covers all 50 states. Contains local, county and residential roads, interstate highway exit information. Recreation areas and facilities. US inland cartography with shoreline details, reservoirs, rivers, beacons and other navaids.

428-520 US Topo contains topographic maps of the entire 50 states similar to US Geological Survey 1:100,000-scale maps. Shows highways, roads, hiking trails, elevation contours, summits, public facilities, inland waters and navaids.

* Map transfer function compatible with most Garmin GPS units with built-in basemap. Requires data card and PC interface cable included with some units and optional on others. See individual GPS unit description.

Cat. No.	Description	Each
428-550	MapSource MetroGuide U.S.A.	$169.00
428-510	MapSource Roads and Recreation	109.00
428-520	MapSource US Topo	109.00



Binoculars

High-quality, lightweight optics are constructed with slip-proof, shock-proof rubber armoring to perform in rugged field environments. Fully coated lenses improve image contrast. Collapsible rubber eyecups for viewing even with eyeglasses. Separate diopter adjustment. Center focusing. Includes lens caps, neck strap and carry case with belt-loop. Limited lifetime manufacturer's warranty.

No.	Power x Lens Diameter	FOV* @ 1000 yds.	Weight	Each
2[illegible]11	Full Size, 10x50	367 feet	30 oz.	$98.00
252-[illegible]2	Compact, 10x25	282 feet	8.9 oz.	72.00

*Field view at 1000 yards

GARMIN

eTrex-Series GPS







- New Vista with built-in basemap

eTrex-series are among the industry's smallest GPS receivers. Waterproof case with operating buttons on both sides. Simple menus and logical operations for ease of use. Lat/Lon, UTM/UPS, Maidenhead, MGRS and other grids. 12-parallel channel receiver for quick acquisition. Backlit display. 12-18 hour battery life depending on model. Resettable trip computer. Requires 2 AA alkaline batteries (not included). One year manufacturers warranty.

428-070 eTrex Vista includes all the features of eTrex and Summit, and adds basemap covering North, Central and South America. Contains cities, interstate and other major highways, lakes, rivers and coastlines. Built-in 8MB internal memory for storing detailed map data from optional MapSource™ software (this page). Includes PC interface cable. High-resolution display. Rocker switch of front panel allows accurate map panning as well as selection and enter functions.

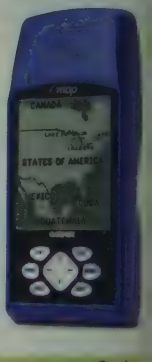
428-050 eTrex offers simple navigation with compass page, or see your path on map page. Hi-visibility yellow case.

428-060 eTrex Summit adds electronic compass for accurate heading while standing still. Barometric sensor with automatic pressure trend recording. Elevation computer provides current elevation, ascent/descent rate, min/max and more.

Cat. No.	Description	Each
428-050	eTrex GPS	$149.95
428-060	eTrex Summit GPS	269.95
428-070	eTrex Vista GPS	374.95
428-051	12V Adapter Cable	39.95
428-053	Carrying Case	14.95
473-002	AA Alkaline Battery (two required)	.91

GARMIN

eMap Deluxe GPS



Compact, handheld 12-channel GPS offers detailed mapping capability. Simple one-handed operation. Built-in detailed basemap for North America. Additional highly detailed map data may be uploaded to eMap from optional MapSource™ CD-ROM products (this page). Displays street-level detail including addresses and business listings using MapSource MetroGuide U.S.A. CD-ROM. Backlit display. 14-hour battery life. Water-resistant. Includes PC interface cable, manual and 8MB datacard. Optional 16 and 32MB datacard for greater map data storage. Requires two AA alkaline batteries (not included). One year manufacturer's warranty.

Cat. No.	Description	Each
428-010	eMap Deluxe GPS	$299.95
428-011	Optional Carrying Case	17.95
428-051	Optional 12V Adapter Cord	39.95
428-540	Optional 16MB Datacard	108.00
428-545	Optional 32MB Datacard	174.95
473-002	AA Alkaline Battery (two required)	.91

SUUNTO
Escape 203 Handheld Altimeter/Barometer



Easy to use altimeter features operation up to 29,500 feet. Altimeter memory records total vertical ascent/descent average. Barometer with memory, pressure trend, sea level and absolute pressure. Weather station function with temperature. Day, date, time, calendar. Selectable imperial or metric units. Water resistant. Includes lanyard, belt loop and lithium battery.

Cat. No.	Description	Each 1-5	6-11
210-004	Handheld Altimeter/Barometer	$139.00	$125.10



LEATHERMAN®

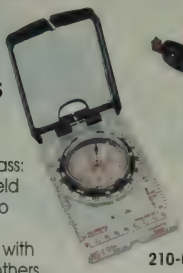
Juice™ Multi-function Pocket Tools

Available in five unique models, each with its own distinctive color, Juice combines multiple features with a smaller size and contoured shape to make it fit perfectly in your professional and everyday life. Smooth anodized handles. 25-year manufacturer's warranty.

Feature/Model	C_2 (Red)	S_2 (Orange)	KF_4 (Yellow)	CS_4 (Blue)	XE_6 (Purple)
Pliers	X	X	X	X	X
Straight Knife	X	X	X	X	X
Wire Cutters	X	X	X	X	X
Hard-wire Cutters	X	X	X	X	X
X-small Screwdriver	X	X	X	X	X
Small Screwdriver	X	X	X	X	X
Med/Lrg Screwdriver	X	X	X	X	X
Phillips Screwdriver	X	X	X	X	X
Lanyard Attachment	X	X	X	X	X
Can/Bottle Opener	X	X		X	X
Corkscrew	X			X	X
Scissors		X		X	X
Saw			X	X	X
Awl			X	X	X
Serrated Knife			X		X
Diamond File			X		X
Ruler			X		

Cat. No.	Description	Color	Each 1-5	6-11
228-700	Juice C_2	Red	$55.00	$49.50
228-710	Juice S_2	Orange	55.00	49.50
228-720	Juice KF_4	Yellow	70.00	63.00
228-730	Juice CS_4	Blue	70.00	63.00
228-740	Juice XE_6	Purple	86.00	77.40

SUUNTO
Field Compasses



210-002

210-003

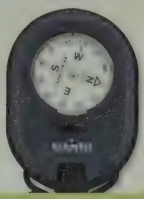
➨ **Ultimate accuracy and quality construction**

210-002: GPS Plotter Compass: Complimentary to GPS handheld navigators, enabling the user to locate a position on a map to within a 600' diameter. For use with USGS topographical maps or others with UTM grids. Luminous markings, adjustable declination, snap-lock lanyard. 1:24,000, 1:25,000 1:50,000 and 1:62,500 scales. $2^3/_4$ x $5^3/_8$". Limited lifetime warranty.

210-003: Global Navigator Compass: professional mirror compass for taking bearings and normal directions with adjustable declination correction scale and built-in clinometer. Additional sighting hole for superior accuracy. Extra large luminous markings. Includes detachable lanyard with snap-lock. Lifetime limited warranty.

Cat. No.	Description	Each 1-5	6-11
210-002	GPS Plotter Compass	$29.95	$26.96
210-003	Global Navigator Compass	52.50	47.25

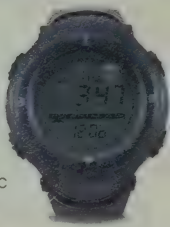
SUUNTO
Vista™ Hand Bearing Compass



Constructed of weatherproof ABS plastic. Floats. Accuracy to $^1/_2$° with marks at 1° intervals. 0-360 standard and reverse scales. Adjustable optics. V-sight. 2.2 x 3 x 0.6", 2.5 oz.

Cat. No.	Description	Each 1-5	6-11
210-200	Vista Hand Bearing Compass	$53.00	$47.70

SUUNTO
Vector™ Wristop Computer



Large, easy-to-read digital display. Altimeter ranges up to 29,500 ft. Ascent/descent rate and difference measurement with 24 hour memory. Barometer measures to 32.40 inHg in 0.05 inHg resolution. Difference measurement and barometric trend. Temperature measurement. Compass shows bearing in degrees and 16 cardinal points. Bearing tracking function. Declination adjustment. Built-in bubble level. 12/24-hour watch/calendar, three alarms, stopwatch and countdown timer. Backlit. Waterproof to 100'. One year warranty.

Cat. No.	Description	Each 1-5	6-11
210-001	Vector Wristop Computer	$199.95	$179.96

Bucket Boss BRAND

Mug Boss™ Desk Organizer



Fits most coffee mugs. Large inside pocket, and multiple sewn outer pockets. Same durable fabric of our Bucket Boss Brand tool organizers. Keep pens, small tools, etc handy.

Cat. No.	Description	Each 1-5	6-11
51-999	Mug Boss Desk Organizer	$4.95	$4.46

JENSEN TOOLS INC.
Order Lines: 800-426-1194 • 602-453-3169
Fax Lines: 800-366-9662 • 602-438-1690

Roll-A-Table and Roll-A-Chair

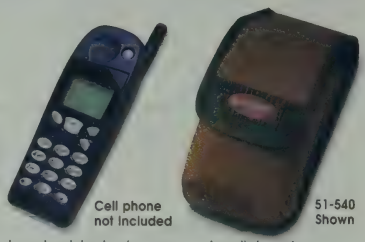


- No-tools setup
- Quick and easy field workstations

Portable utility table and chair offer lightweight strength and easy storage. Table measures 32 x 32" work surface and 28" height. Rolls up to 32 x 5½". Aluminum frame and legs, vinyl covered wood, slat top. Handles 100 lbs. distributed weight. Table weighs 10 lb. Chair offers 19 x 19" seat, 29" high back and 19" seat height. Folds to 26 x 4 x 4". Weighs 2½ lbs. Accommodates 250 lbs. Shoulder strap for easy carrying. One year warranty.

Cat. No.	Description	Each
207-001	Roll-A-Table	$35.00
207-002	Roll-A-Chair	25.00

Cell Phone Holster



- Fits most cellular telephones and many compact FRS radios

Designed to carry and protect today's compact cellular phones. Foam padding and rugged fabric for optimum protection and long wear. Secure, quick-access flap enclosure. Stainless-steel spring clip holds securely to belt or tool pouch.

Cat. No.	Description	Each 1-5	6-11
51-540	Cell Phone Holster Khaki	$12.00	$10.80
51-541	Cell Phone Holster Black	$12.00	$10.80

Master Lock



Locks

Combination Locks have solid brass body, resettable combinations, and are great for use on shipping containers.

Medium/Heavy-Duty Key Locks have hardened steel shackle, good pick resistance, and are great for tool/storage boxes.

Medium-Duty Weather Tough Key Locks have a thermoplastic shell that withstands temperature extremes.

Cat. No.	Description	Shackle	Each 1-5	6-11
40-647	Combination Lock	7/8"	$5.95	$5.36
40-175	Combination Lock	1"	18.95	17.06
40-176	Combination Lock	2 1/4"	19.95	17.96
40-003	Medium-Duty Lock (Not Shown)	3/4"	7.95	7.16
40-005	Heavy-Duty Lock	1"	10.95	9.86
43-31b	Weather Tough Lock, Yellow	1 1/8"	9.75	8.78


204-001


204-003


204-002

CALCULATED INDUSTRIES® Industrial Calculators and Measuring Tools

We put answers at your fingertips

204-001 ElectriCalc® Pro: For electrical design, estimating and installation jobs. Conforms to NEC 1996 and 1999 standards. Factory updatable for future code year revisions. Works directly in volts, amps, volt-amps, watts, kVA, kW, PF%, EFF% and DC resistance. Calculates copper and aluminum wire sizes. Calculates voltage drop. One button parallel and derated wire sizing. Conduit sizing by NEC definitions. Calculates motor load current and fuse/breaker calculations. Sizes overload protection. Finds NEMA starter sizes. Calculates grounding conductor sizes. Standard mathematical functions. Includes comprehensive user's manual, protective case and long-life batteries.

204-002 Scale Master Classic®: Digital plan measure provides 72 built-in scales. 39 imperial and 33 metric scales. Six user-defined custom scales. Push-button counter accumulates in memory. Two memories solve area and volume. Choice of eight dimensional units. Subtract mode key. Rolls in distances in either direction. 0.025" resolution with 99.75% measurement accuracy. Includes user's guide, vinyl case and long-life batteries.

204-003 Ultra Measure Master®: Professional conversion calculator puts 60+ of the most needed technical unit conversions at your fingertips. Converts to and from linear, area, volumetric, weight, weight-to-volume, linear velocity, flow rate, and temperature units. Full mathematical functions. "Paperless tape" allows review of last 20 entries. Includes user's guide, vinyl case and long-life batteries.

Cat. No.	Description	Each 1-5	6-11
204-001	ElectriCalc Pro Calculator	$99.95	$89.96
204-002	Scale Master Classic Digital Plan Measure	69.95	62.96
204-003	Ultra Measure Master Conversion Calculator	59.95	53.96

KRYPTONITE Motion Sensor Alarm



- Protection for your tool kit, luggage or laptop

Three-foot retractable vinyl-coated steel cable attaches to valuables. Three user-selectable security levels: lowest level sounds alarm if cable is cut or removed. If needed, two levels of motion detection sensitivity may be selected to provide highest security. Surround-sound 110dB alarm. Flashing LED warns thieves alarm is activated. Included docking attachment/slot adapter attaches directly to object with high-strength adhesive tape. Resettable 3-digit combination locks the cable, battery compartment and docking attachment. Requires one 9V battery included. Two-year manufacturer's warranty.

Cat. No.	Description	Each
318-001	Motion Sensor Alarm	$69.00

For replacement batteries, see page 311



TRIPP LITE POWER PROTECTION

Ultra-Compact PowerVerter® Inverters

➥ **12 VDC in, 120VAC 60hz out**

Ultra-compact, lightweight inverters power personal computers, camcorders, small power tools, cordless tool chargers and most small appliances and electronics. 205-140/205-300 features convenient cigarette-lighter plug. 205-501 has alligator-clips for direct connection to battery. All-metal housing withstands the often rugged conditions of job sites. Low battery voltage alarm/shutdown. 205-300/205-501 include a built-in cooling fan to prevent overheating. Stores easily in tool case, briefcase or glove box.

Cat. No.	Input Voltage (DC)	Output Voltage (AC)	Output Power Continuous/Peak (watts)	Outlets	Each
205-140	12	120	140/200	1	$44.95
205-300	12	120	300/500	2	68.95
205-501	12	120	500/800	3	129.95



KOEHLER-BRIGHT STAR

Portable 12-Volt Power Packs

Versatile rechargeable power packs provide convenient 12-volt DC power wherever you need it. Features sealed lead-acid battery that is leak-proof, maintenance free and provides high power and long run time. Ideal for powering tools, lighting, computers, radio equipment and most any 12VDC product in the field. Built-in circuit breaker. Cigarette lighter socket. Heavy-duty zippered nylon case with shoulder strap and belt loops. 115VAC charger included.

241-003 heavy-duty model features rugged molded case and high energy capacity for demanding applications. Perfect for use with 12V inverter (such as 205-300 on this page) for portable 120V power.

Cat. No.	Description	Capacity	Weight	Each
241-001	12VDC Portable Power Pack	4 A/hr.	5 lbs.	$48.00
241-002	12VDC Portable Power Pack	7 A/hr.	8 lbs.	62.00
241-003	12VDC Portable Power Pack	17 A/hr.	15 lbs.	109.00

For complete specifications and applications support, contact Jensen's FaxBack at 602-453-2671. Request document #241001.



Eveready Energizer® Batteries

Lithium Batteries provide longer battery life than alkalines and may be used in all 9V and AA applications.

Photo Battery is a replacement for type LR44 which is used in many compact multimeters, calculators and other instruments.

Cat. No.	Description	Each 1-11	12+
473-001	Industrial Alkaline AAA	$.94	$.70
473-002	Industrial Alkaline AA	.91	.68
473-003	Industrial Alkaline C	1.51	1.13
473-004	Industrial Alkaline D	1.57	1.18
473-005	Industrial Alkaline 9V	3.15	2.36
473-006	Lithium AA 2/pk.	6.50	-
473-007	Lithium 9V	7.50	-
473-008	Photo Battery A76BP	1.15	-
434-024	Alkaline AAAA 6/pk.	6.95	-
434-026	Alkaline N 6/pk.	7.95	-

ZTS

Multi-Battery Tester



Tests more than 25 different popular battery types. Microprocessor controlled tester is the most advanced and accurate available. Fully automatic load test. Percentage of remaining battery capacity is displayed on LED bar display (10-100%). Battery types clearly labeled next to appropriate contacts. Press battery's positive terminal onto contact and connect built-in test lead to battery's negative terminal. Tests popular Zn Air, Li, coin-type as well as AAA, AA, C, D, N, and 9V batteries. Requires four AA alkaline batteries sold separately.

Cat. No.	Description	Each
154-001	Multi-Battery Tester	$55.00
473-002	AA Alkaline Battery (four required)	.91



Energizer® ACCU Rechargeable™ NiMH Batteries





Recharges hundreds of times. May be recharged to full power at any time. No need to fully drain battery before recharging. Charger will charge all sizes, either NiMH or NiCd types. 115VAC charger. One-year manufacturer's charger warranty.

Cat. No.	Description	Each 1-5	6-11
473-009	AAA Rechargeable Batteries, 2pk	$9.50	$8.55
473-010	AA Rechargeable Batteries, 4pk	16.25	14.63
473-011	9V Rechargeable Battery, 1pk	11.75	10.58
473-012	C Rechargeable Batteries, 2pk	11.75	10.58
473-013	D Rechargeable Batteries, 2pk	11.75	10.58
473-014	Battery Charger, NiMH, NiCd	24.95	22.46

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Digital Signal Level Meter

NEW



- NTSC (6 MHz.) Channel Level Measurements
- Backlit LCD graphic display

The ST-5120 uses RF signal processing techniques and microprocessor technology to produce quick and accurate signal measurements. It provides full channel operation with CATV: CH 2-135, Off-Air: CH 2-78 or Direct Frequencies. Automatic internal calibration corrects for measurement variations due to frequency response, temperature changes, and internal attenuator settings. Keypad allows for easy navigation of frequency selections and scrolling of channels. It features an adjustable volume range, a wide dynamic range, and a backlit LCD display for easy viewing in dark areas. Includes 8hr. rechargeable NiMH battery, AC charger, and soft case.

Input Frequency	46-870 MHz
Accuracy	±2.5dB
Min. Tuning Increment	50 KHz
I.F. Bandwidth	230 KHz
Input Range	-35 to +60 dBmv

Cat. No	Description	Each
418-826	ST-5120 Digital Signal Level Meter	$650.00





NEW

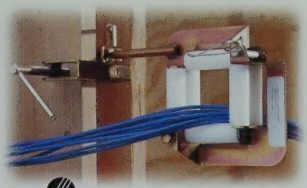
PELICAN®

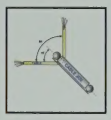
Micro Cases

- Crushproof
- Watertight
- Corrosion proof

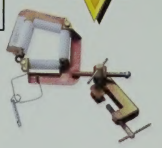
The ultimate protection for small electronic equipment like multimeters, cell phones, palm pilots and pagers. Convenient sizes fit into luggage, bags, glove compartments, attach cases, etc. Micro Cases have an automatic pressure purge valve that compensates for changes in temperature and altitude. Cases contain a shock-absorbing rubberized tub in the bottom and convoluted foam in the lid. Tub is removable.(USA)

Cat. No.	L x W x D (OD)	L x W x D (ID w/ tub)	Each 1-4	5-9
418-895	5.4 x 4 x 2.1"	4.3 x 2.8 x 1.1"	$11.95	$11.00
418-896	6.4 x 4.75 x 2.1"	5.3 x 3.5 x 1.1"	15.95	14.70
418-897	7.5 x 3.9 x 2.45"	6.4 x 2.65 x 2"	16.95	15.60
418-898	7.5 x 5 x 2.15"	6.4 x 3.8 x 1.15"	17.95	16.60
418-899	7.5 x 5 x 3.15"	6.4 x 3.8 x 2.15"	18.95	17.40
418-900	9.4 x 5.6 x 2.65"	8.3 x 4.3 x 2.15"	21.95	20.20





NEW



LEVITON

Cable Joe® Clamp-on Cable Router

- The best solution for pulling cables around corners

The perfect way to save time and money by preventing cable damage, and allowing more effective use of installation personnel. Simply mount onto any surface; joists, trays, or lag bolt to walls. It will route up to 20 cables at once, even around 90º angles. This allows you to rapidly pull wire to its intended location without having it get bound up or damaged, making for a much more efficient installation. Cable Joe® is made of heavy duty 12 gauge cold rolled steel with a 6-roller design allowing you to pull cables smoothly and easily. It opens simply and closes securely with a quick-release pin.

Cat. No.	Description	Each
418-823	Cable Joe® Clamp-on Cable Router	$145.00



FLUKE.

320 Series Clamp Meters

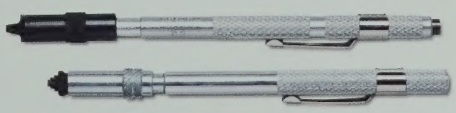
Compact size fits tool belt or pocket. 40A range for precise low current measurements. Display hold captures readings for convenient viewing. TL75 test leads included. Two year warranty. Soft carry case included.

320 Series Specifications

Model	321	322
DC Voltage	No	0-400.0V
AC Voltage	0-400.0V	0-400.0V
AC Current	0-400.0A	0.00-400.0A
Resistance	0-400.0Ω	0-400.0Ω

Cat. No.	Mfg #/Description	Each
417-756	332 Clamp meter	$99.00
417-754	331 Clamp meter	89.00
417-757	332 Clamp meter w/calibration certificate	124.00
417-755	331 Clamp meter w/calibration certificate	114.00

NEW



Screwstarter and Nutstarter

Quality machined aluminum body with pocket clip. Steel tips hold fastener securely for starting in hard-to-access places.

418-807 Torx, Hex, Philips Screwstarter: Fits T-10, T-15, T-20, T-25, T-27 and T-30 Torx® as well as popular hex and Phillips fasteners.

418-808 Nutstarter: Fits 3/32" (2.5mm) through 5/16" (8mm) small hex nuts. End-mounted magnetic retriever.

Cat. No.	Description	Each 1-4	5-11
418-807	Screwstarter, Torx, Hex, Phillips	$6.95	$6.26
418-807	Nutstarter, 3/32-5/16"	6.95	6.26

Please have this code available at time of order.

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7815 S. 46th Street
Phoenix, AZ 85044-5399

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FLUKE.

Color ScopeMeter Series 190C

Get a better view of problems in the field. In addition to the impressive capabilities of the 190 Series, these new color models offer color for easy identification, a larger, higher resolution screen for more detail, Digital Persistence for analog-like analysis, faster display updating, Stop-on-Trigger, waveform reference. And you still get all the features of the 190 Series. For full details visit our website.

Cat. No.	Mfg #/Description	Each
417-791	199C 200MHz Color ScopeMeter	$2995.00
417-792	196C 100MHz Color ScopeMeter	2695.00
417-793	199C 200MHz Color ScopeMeter w/certificate of calibration	3385.00
417-794	196C 100MHz Color ScopeMeter w/certificate of calibration	3085.00



psiber

CableTool Multifunction TDR

- **TDR, Volt Meter & Tone Generator**
- **Measures distance to shorts/opens to 2500 feet**

The CableTool Multifunction TDR is for installing and maintaining metallic cabling. It utilizes TDR technology to quickly determine the distance to a cable fault (open or short) in feet or meters. Over 30 pre-stored standard cable NVP values and four user defined values are included. A voltage measurement capability up to 250 Vrms is provided to warn the user of potentially unsafe test conditions and to identify the type of circuit under test. Additionally, a tone generator function with selectable tones allows for cable tracing with most tone probes. The CableTool includes standard banana jack connectors which are compatible with a wide range of leads or connectors for testing any cable type. Unit includes four AA batteries and alligator clip leads.

Cat. No.	Description	Each
418-845	CableTool Multifunction TDR	$279.00



BIDDLE INSTRUMENTS

Megger BMM503 Insulation Tester

The BMM503 provides all the tests required for electrical installation. It is a full function insulation tester and multimeter. Built-in safety features include live circuit warning, test lockout when voltage is present, auto-discharge and more. It applies test voltage up to 1000V for readings to 10GΩ. It measures AC voltage to 1000V, resistance to 9.99MΩ and continuity with super-fast buzzer. Large display and analog bargraph with back light. Auto shut off saves the six AA batteries. It comes with probe which allows testing with hands on probe. 3 year warranty.

Cat. No.	Mfg #/Description	Each
419-305	BMM503 Insulation/continuity tester	$690.00